UNIVERSITY OF TORONTO
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PALÉONTOLOGIE

FRANÇAISE.

Paris. — Imprimerie de Cosson, rue Saint-Germain-des-Prés, 9.

PALÉONTOLOGIE FRANÇAISE.

DESCRIPTION ZOOLOGIQUE ET GÉOLOGIQUE

DE TOUS

LES ANIMAUX MOLLUSQUES ET RAYONNÉS

FOSSILES DE FRANCE,

PAR ALCIDE D'ORBIGNY,

MEMBRE DES LÉGIONS-D'HONNEUR FRANÇAISE ET BOLIVIENNE, VICE-PRÉSIDENT DE LA SOCIÉTÉ GÉOLOGIQUE DE FRANCE, AUTEUR DU VOYAGE DANS L'AMÉRIQUE MÉRIDIONALE, ETC., ETC.,

AVEC

les figures de toutes les espèces, lithographiées d'après nature,

PAR M. J. DELARUE.

TERRAINS CRÉTACÉS.

ATLAS.

30548

TOME PREMIER,

CONTENANT LES CÉPHALOPODES.

(De la planche 1 à 148).

A PARIS,

CHEZ L'AUTEUR, RUE LOUIS-LE-GRAND, N° 5,

ET CHEZ ARTHUS-BERTRAND, LIBRAIRE,

Rue Hautefeuille, n° 23.

1840 à 1842.

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Sect. A
t.1
ATLAS

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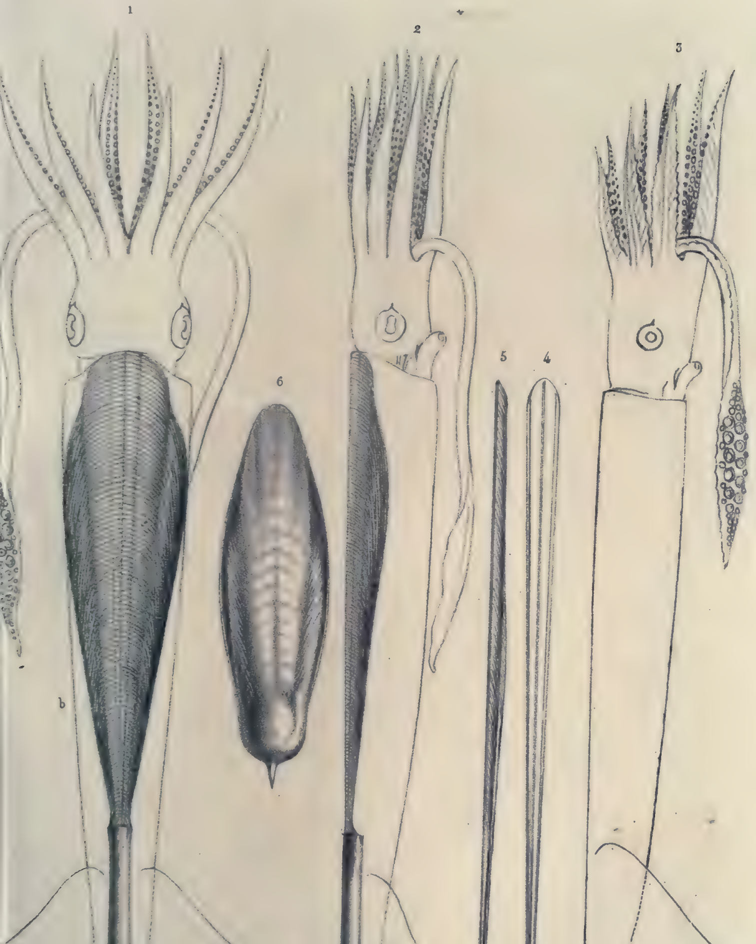
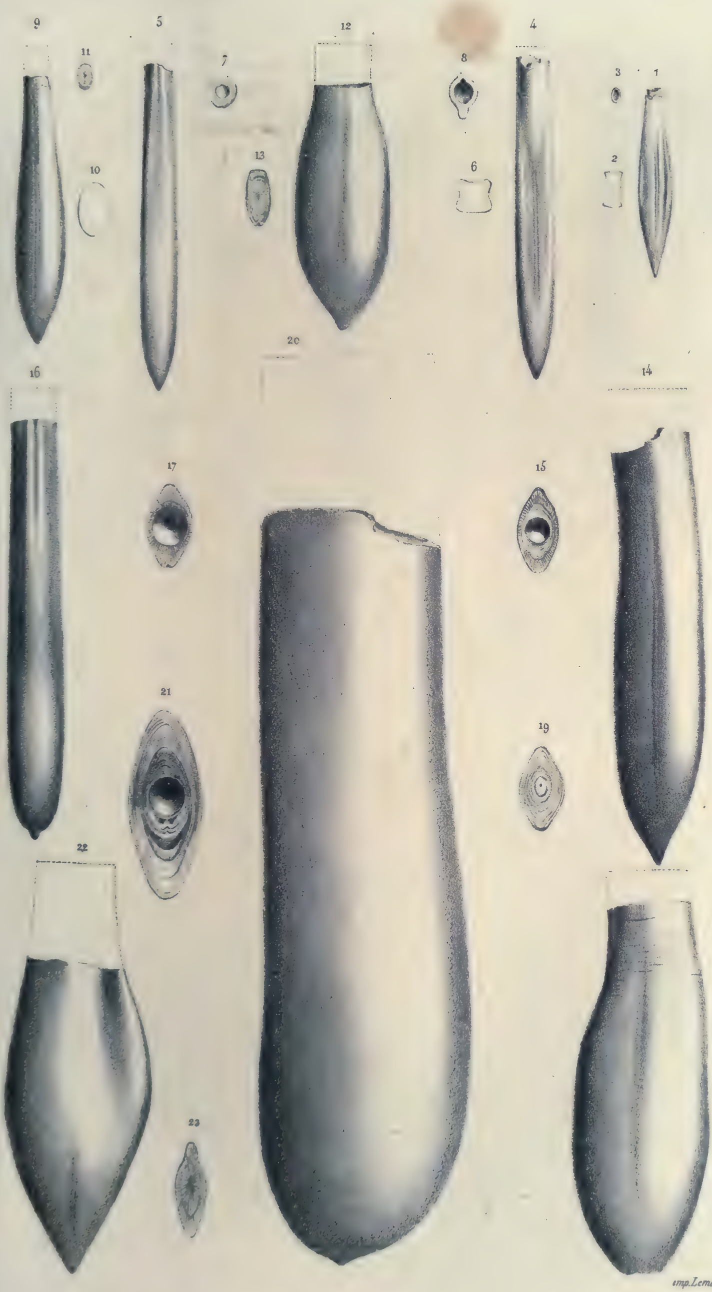
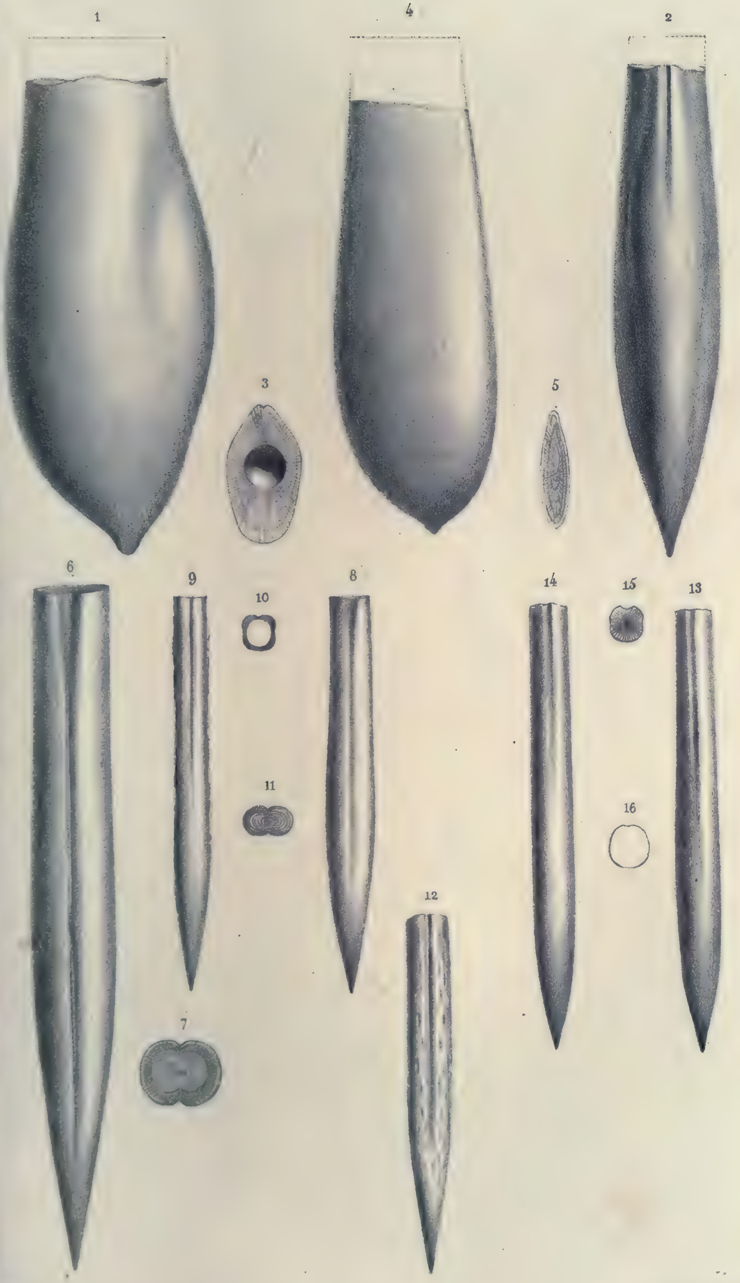


…arie lith.   Imp. Lemercier, Benard et C.ie



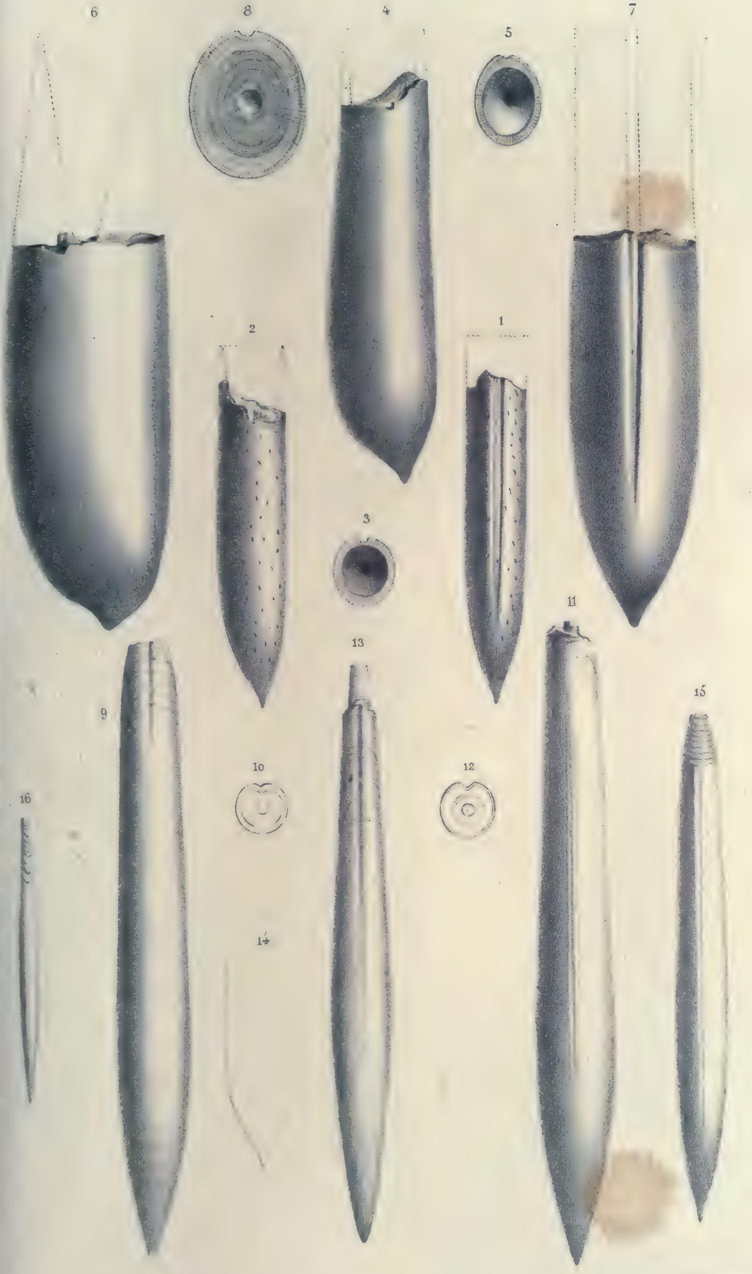
imp. Lemercier, Benard et C.

Belemnites dilatatus, Blainville. N.



arue lith. Imp. Lemercier Benard et C.

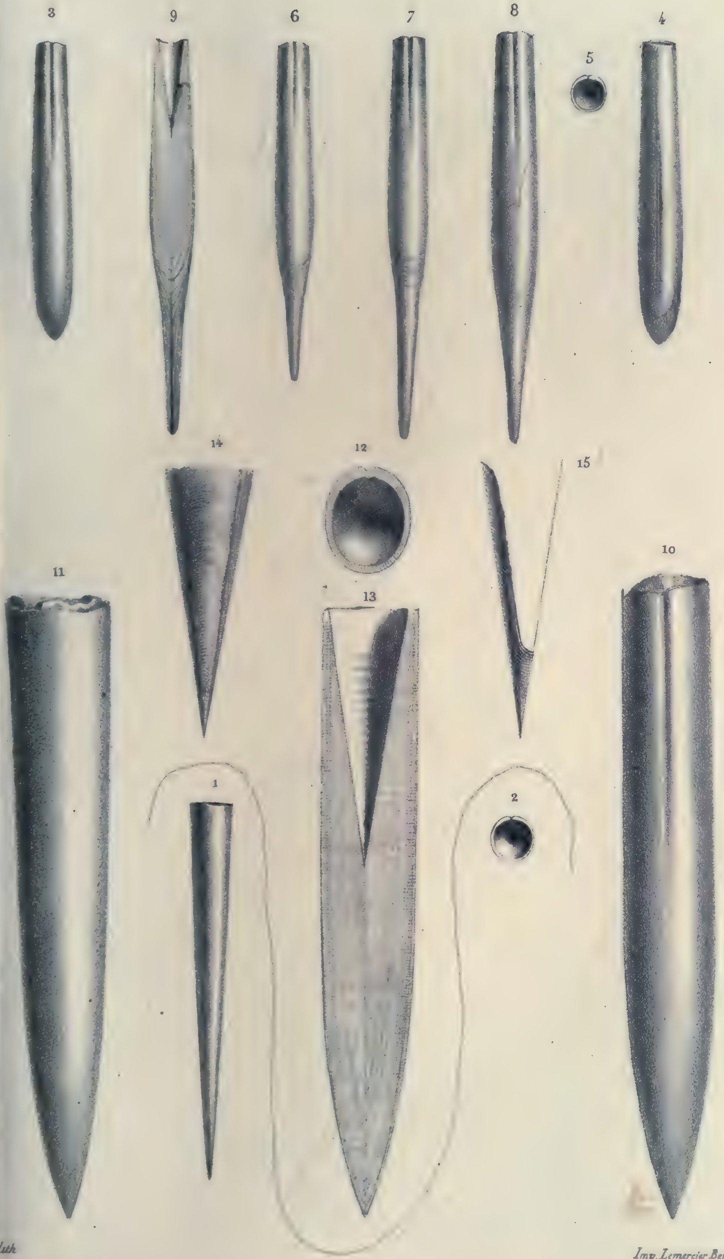
1_5. *Belemnites dilatatus*, Blainville. N.
6_12. *B. bipartitus*, Blainville, N.
13_16. *B. bicanaliculatus*, Blainville. N.



Imp. Lemercier Benard et C

1. 8. Belemnites latus, Blainville. N.

9. 16. B. ——— subfusiformis, Raspail. N.

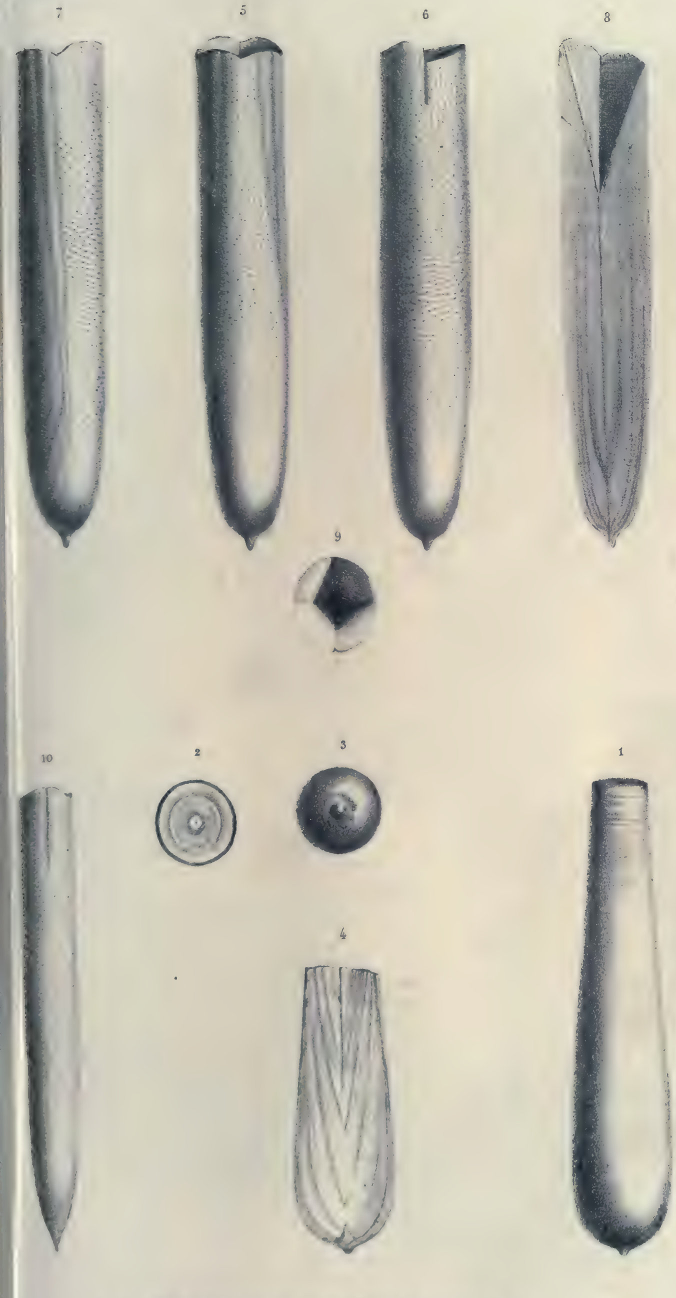


lith   Imp. Lemercier Benard et C.

1_2. *Belemnites Baudouini, d'Orbigny. N.*

3_9. *B. ——— minimus, Lister. G.*

10_15. *B. ——— semicanaliculatus, Blainville. C.C.*



Imp. Lemercier, Benard et C.

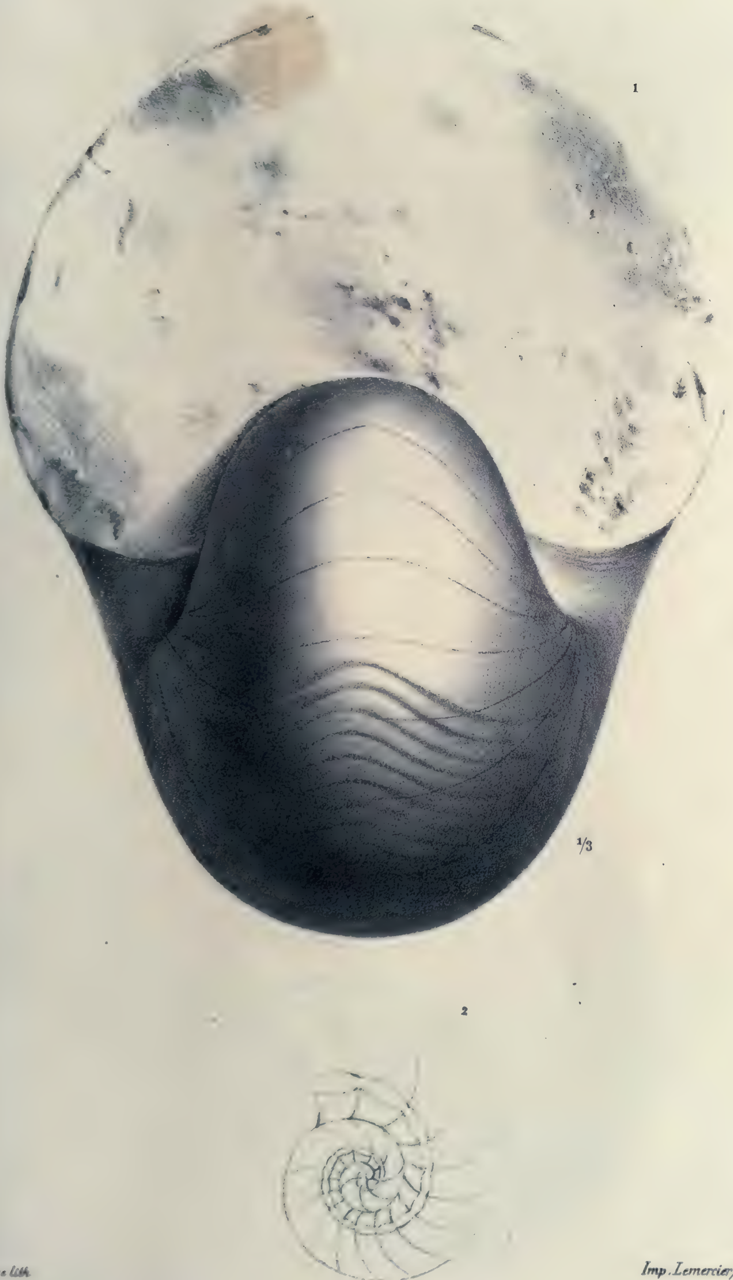
1 4. *Belemnites pistiliformis*, Blainville. N.
5 10 *Belemnitella quadrata*, d'Orbigny. N.

Imp. Lemercier, Benard C[e]

Belemnitella mucronata, d'Orbigny C.

Nautilus pseudo-elegans, d'Orbigny. N.

Imp. Lemercier, Benard et C

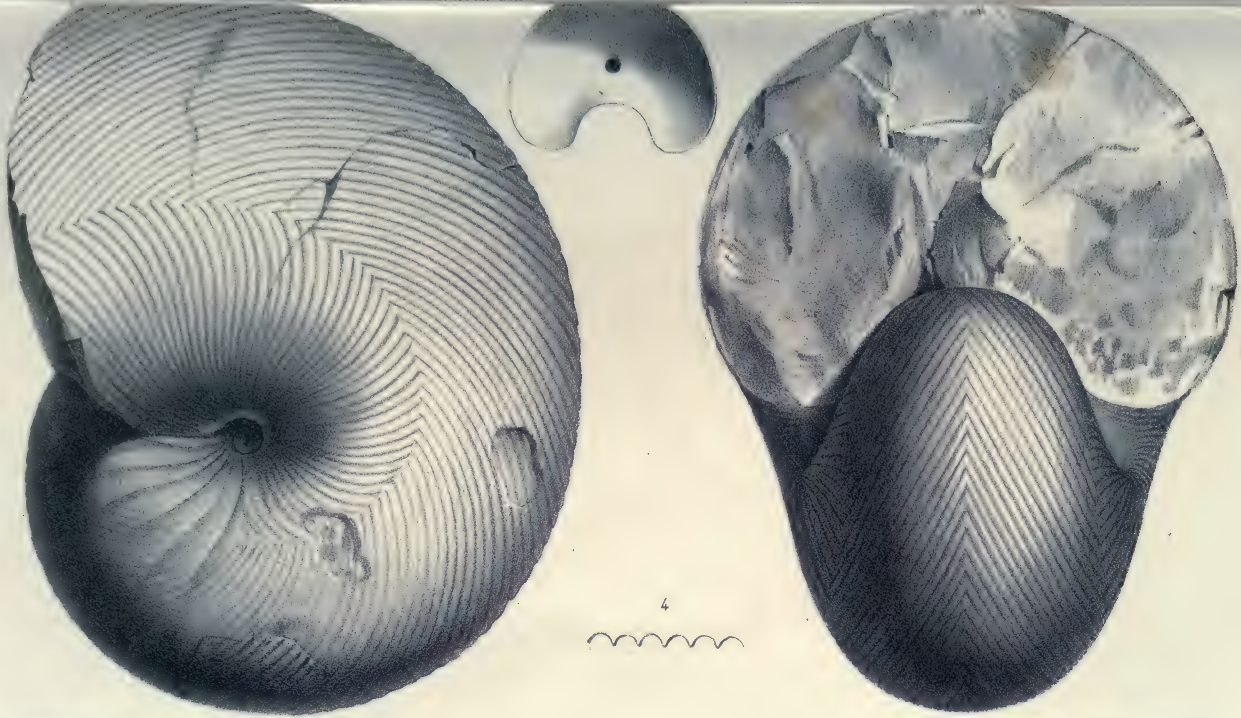


J. Delarue lith.

Imp. Lemercier, Benard et C.

Nautilus pseudo-elegans, d'Orbigny. N.

1/5



4

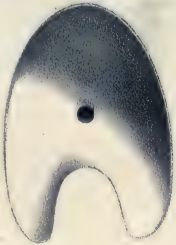
Delarue lith.

Im. Lemercier, Benard et C.

Nautilus Requienianus, d'Orbigny.

1/2

3



Delarue lith.

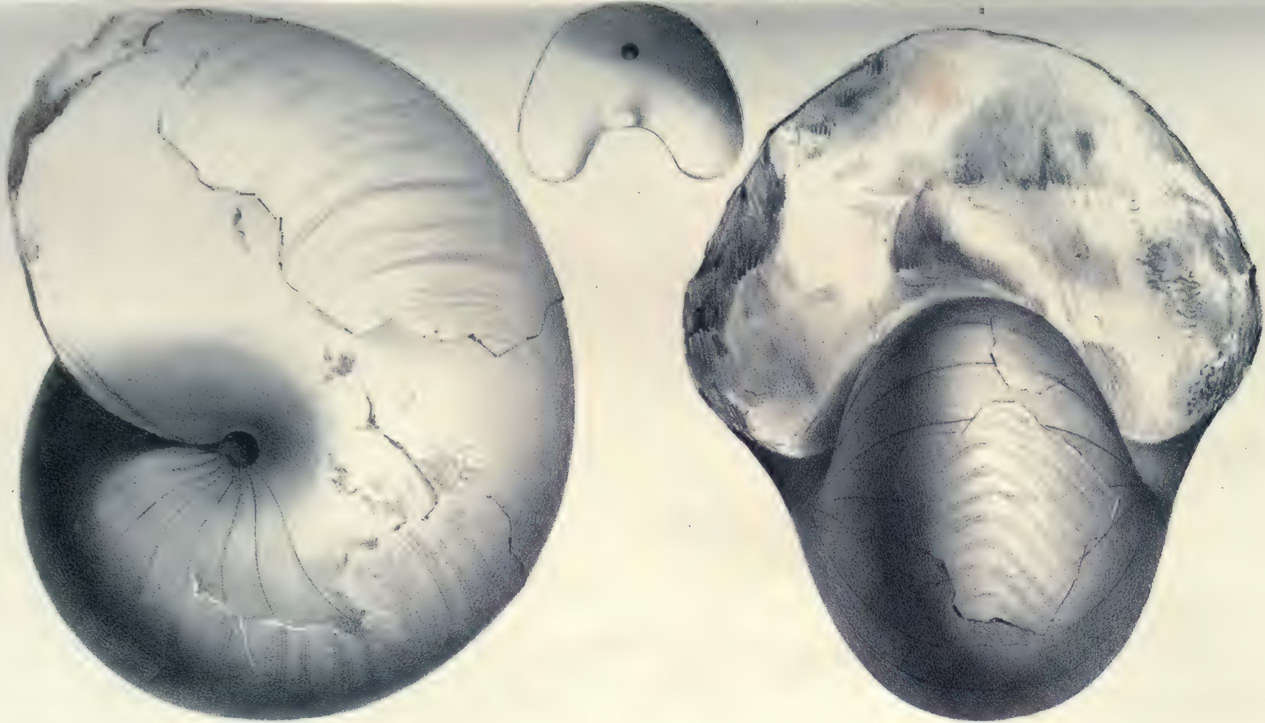
Im. Lemercier, Benard et C.

Nautilus neocomiensis, d'Orbigny. N.

J. Delarue lith.

Imp. Lemercier, Benard et C.

Nautilus triangularis, Montfort. G.V.



J. Delarue lith.

Imp. Lemercier, Benard et C.

Nautilus Bouchardianus, d'Orbigny. G.

J. Delarue lith.

Imp. Lemercier Benard et C.

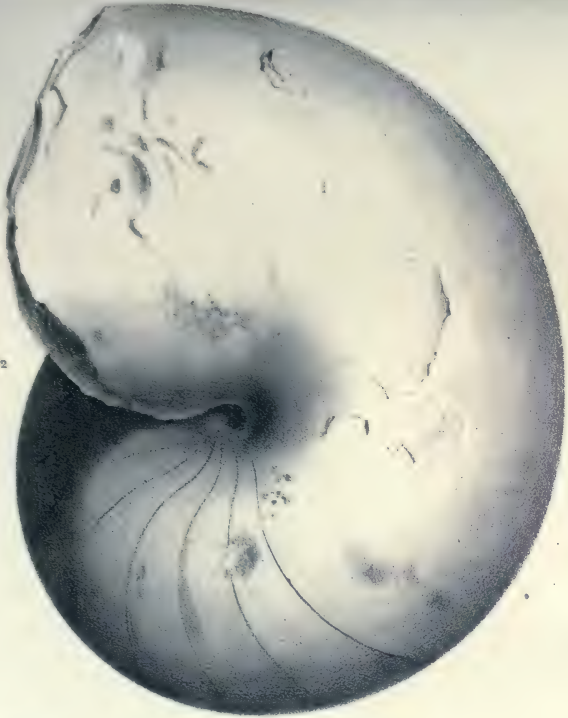
Nautilus Clementinus, d'Orbigny. G.

J. Delarue lith

Imp. Lemercier, Benard et C.

Nautilus radiatus, Sowerby. G.V.

1



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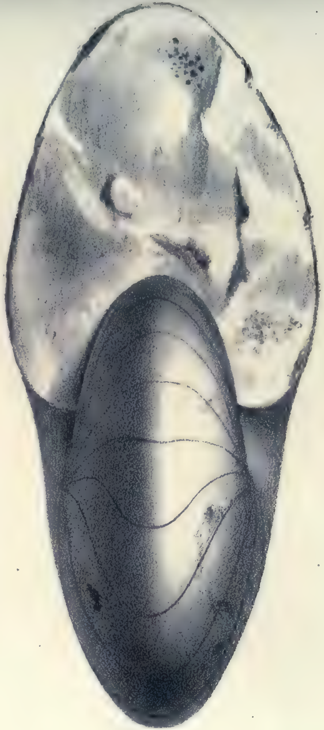


1/2

J. Delarue lith.

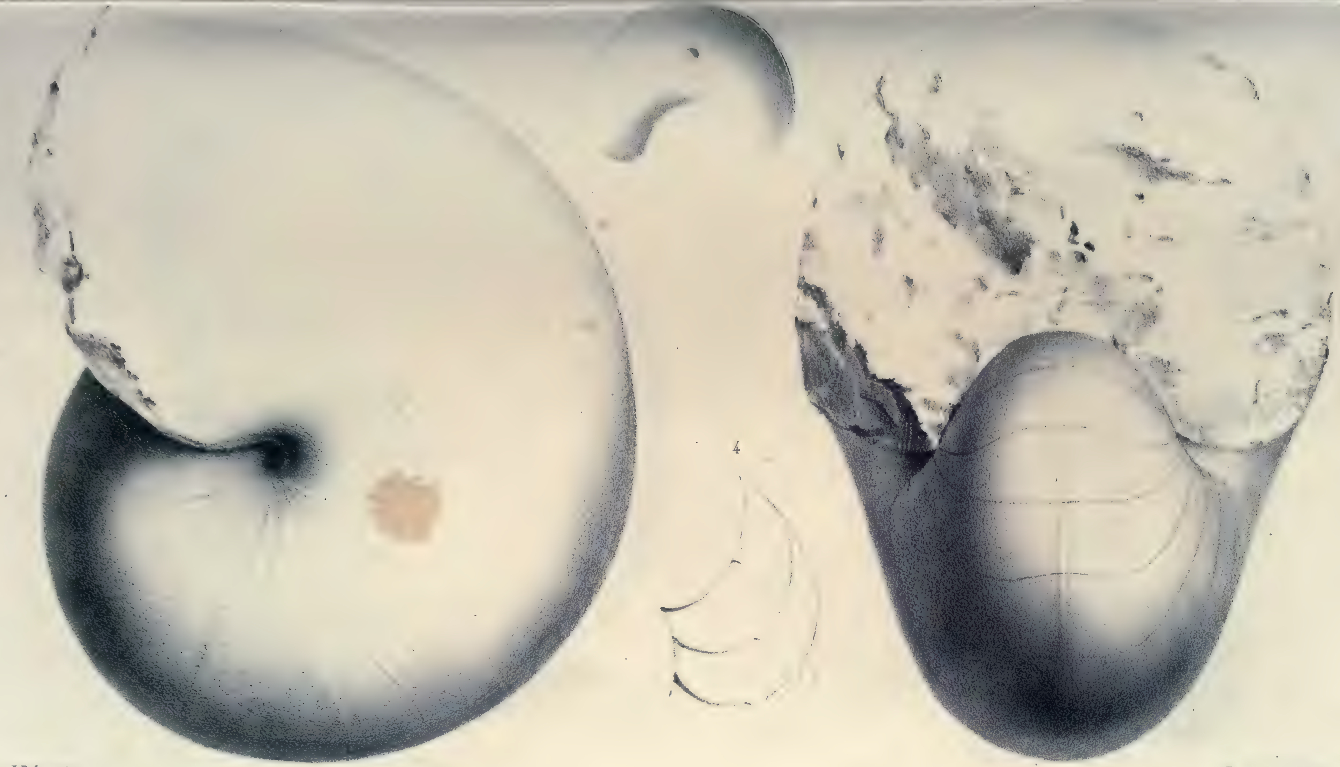
Imp. Lemercier, Benard et C.

Nautilus Fleuriauianus, d'Orbigny. G.V.

J. Delarue lith.

Imp. Lemercier, Benard et C.

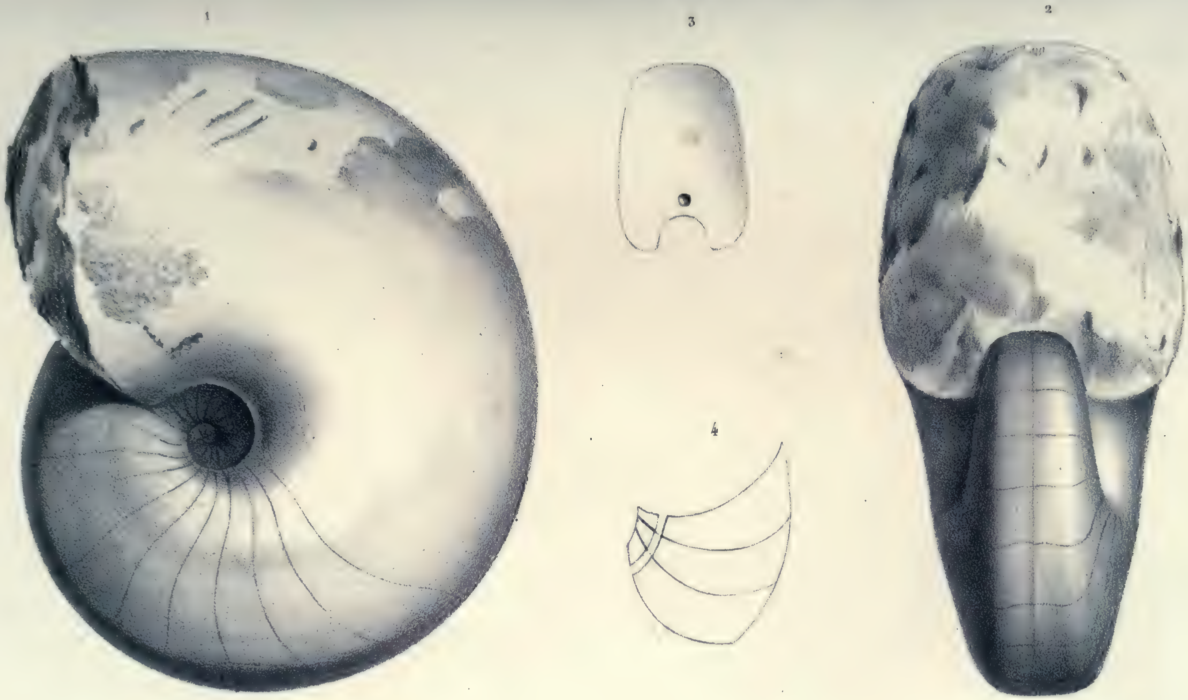
Nautilus Sowerbianus, d'Orb. CC.



J. Delarue lith.

Imp. Lemercier, Benard et C.

Nautilus lævigatus, d'Orbigny CC.



J. Delarue lith. Imp. Lemercier, Benard et C.

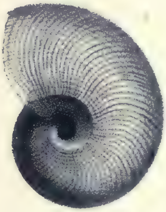
Nautilus Largilliertianus d'Orbigny. CC.

Nautilus elegans. Sowerby. C.C.

1

4

3

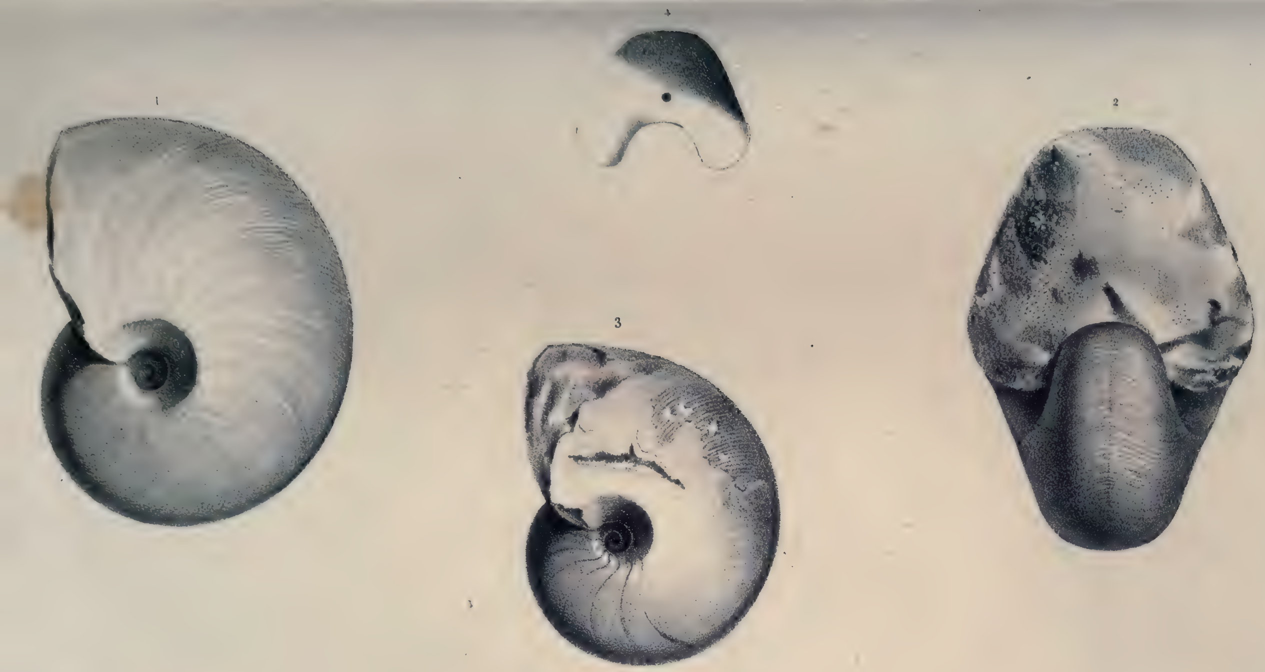


2

Delarue lith.

Im. Lemercier, Benard et C.

Nautilus Deslongchampsianus, d'Orb. C.C.



J. Delarue lith.

Imp. Lemercier Benard et C.

Nautilus Archiacianus, d'Orb. CC.

J. Delarue lith.

Imp. Lemercier, Benard et C.

Ammonites Leopoldinus, d'Orb. N.

J. Delarue lith.

Imp. Lemercier, Benard et C.

Ammonites Leopoldinus, d'Orb. N.

J. Delarue lith.

Imp. Lemercier, Benard et C.

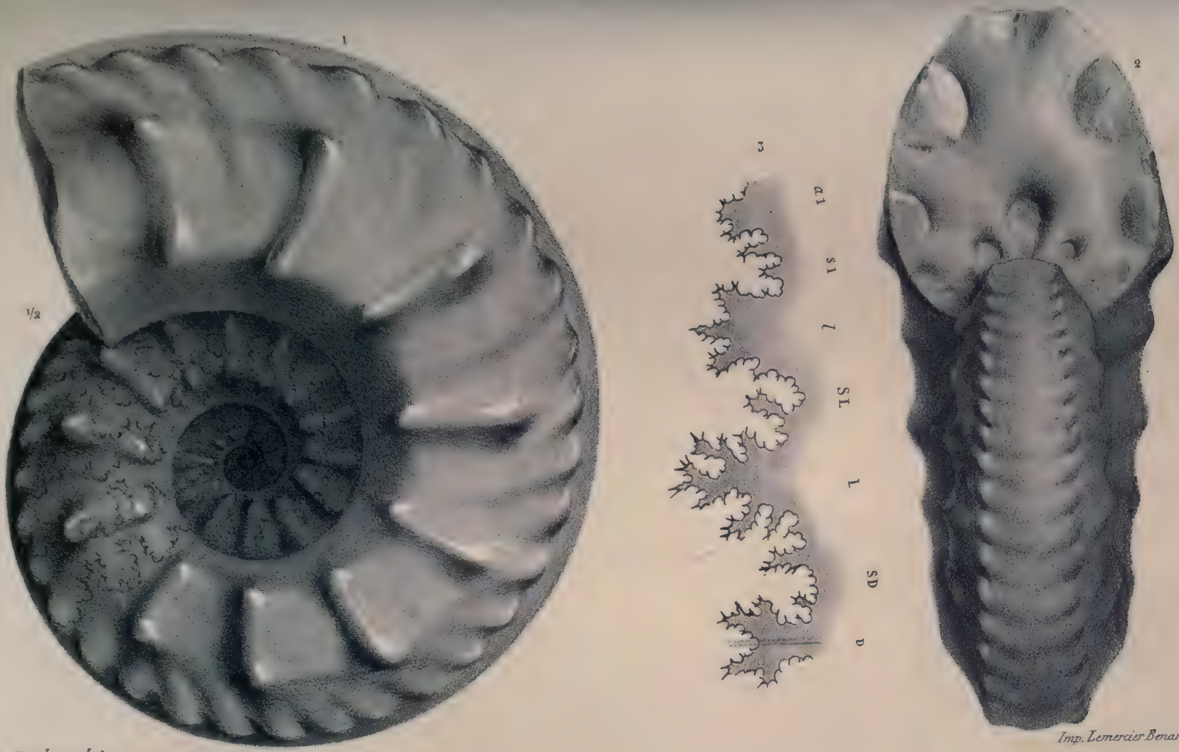
Ammonites cryptoceras, d'Orb. N.

J. Delarue lith.

Imp. Lemercier, Benard et Cᵉ

1.2. *Ammonites heliacus* d'Orb. N.

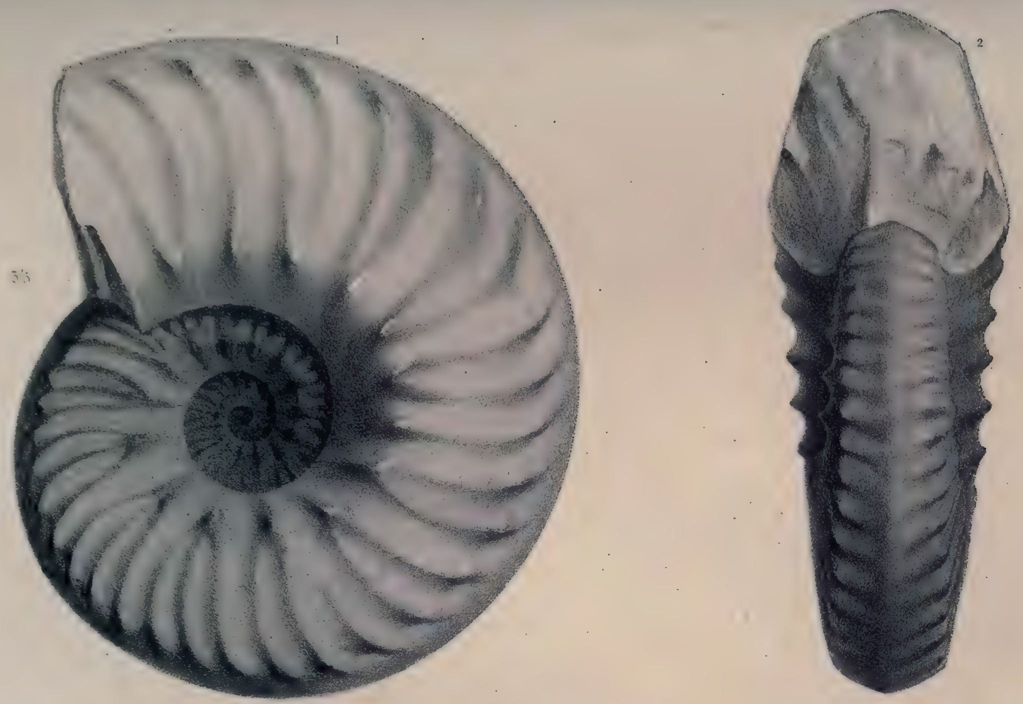
3.4. *A. ___ Castellanensis* d'Orb. N.



J. Delarue lith.

Imp. Lemercier Benard et Cie.

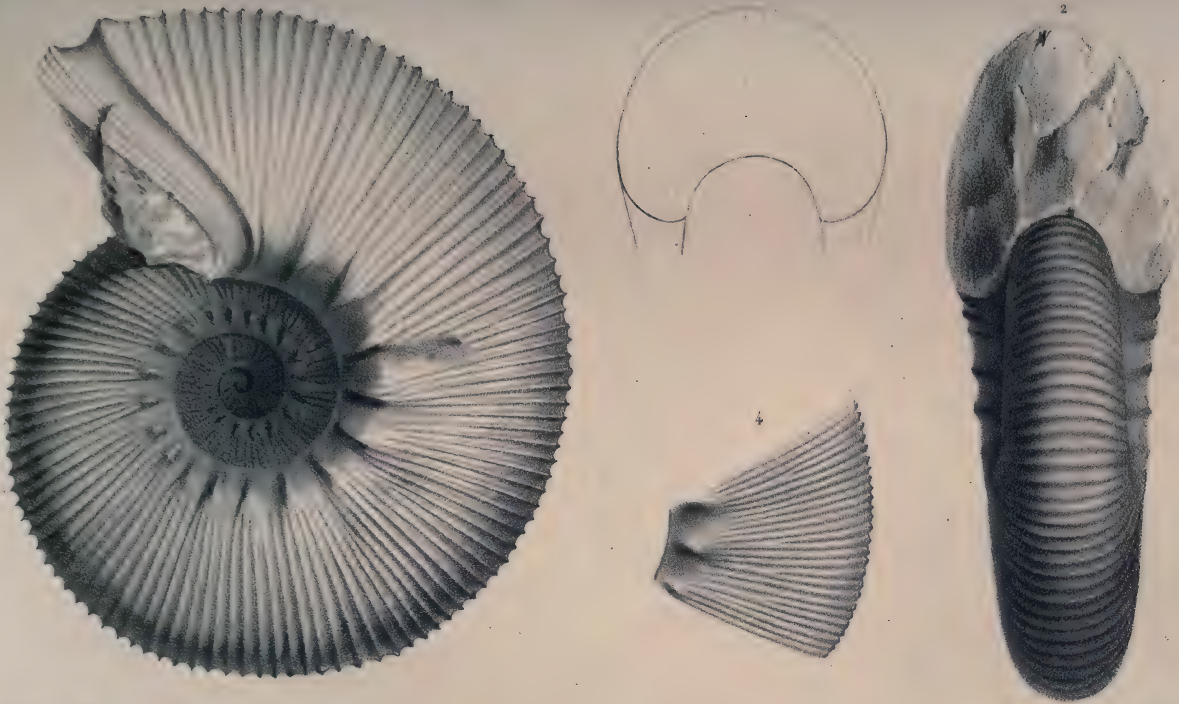
Ammonites radiatus, Bruguière X.



J. Delarue lith.

Imp. Lemercier Benard et C.

Ammonites Renauxianus, d'Orb.



J. Delarue lith

Imp. Lemercier Benard et C.

A. Astierianus, d'Orb. N.

J. Delarue lith.

Imp. Lemercier Benard et C.

1.2 *A. fascicularis*, d'Orb. N.

3.4. *A. inæqualicostatus*, d'Orb. N.

J. Delarue lith.

Imp. Lemercier Benard et C.

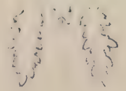
1. 2. A. subfascicularis d'Orb. N.

3. 4. A. incertus, d'Orb. N.

1

1 2

4



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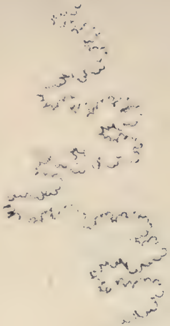

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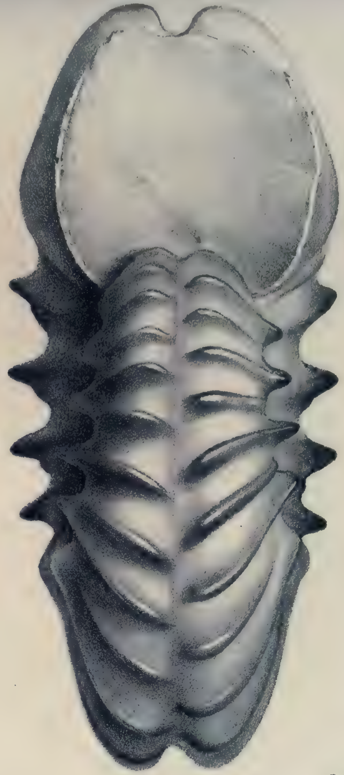


J Delarue lith.

Imp. Lemercier Benard et C.

Ammonites serratus, Parkinson. G.

J. Delarue lith.

Imp. Lemercier, Benard et C

Ammonites interruptus, Bruguieres G.

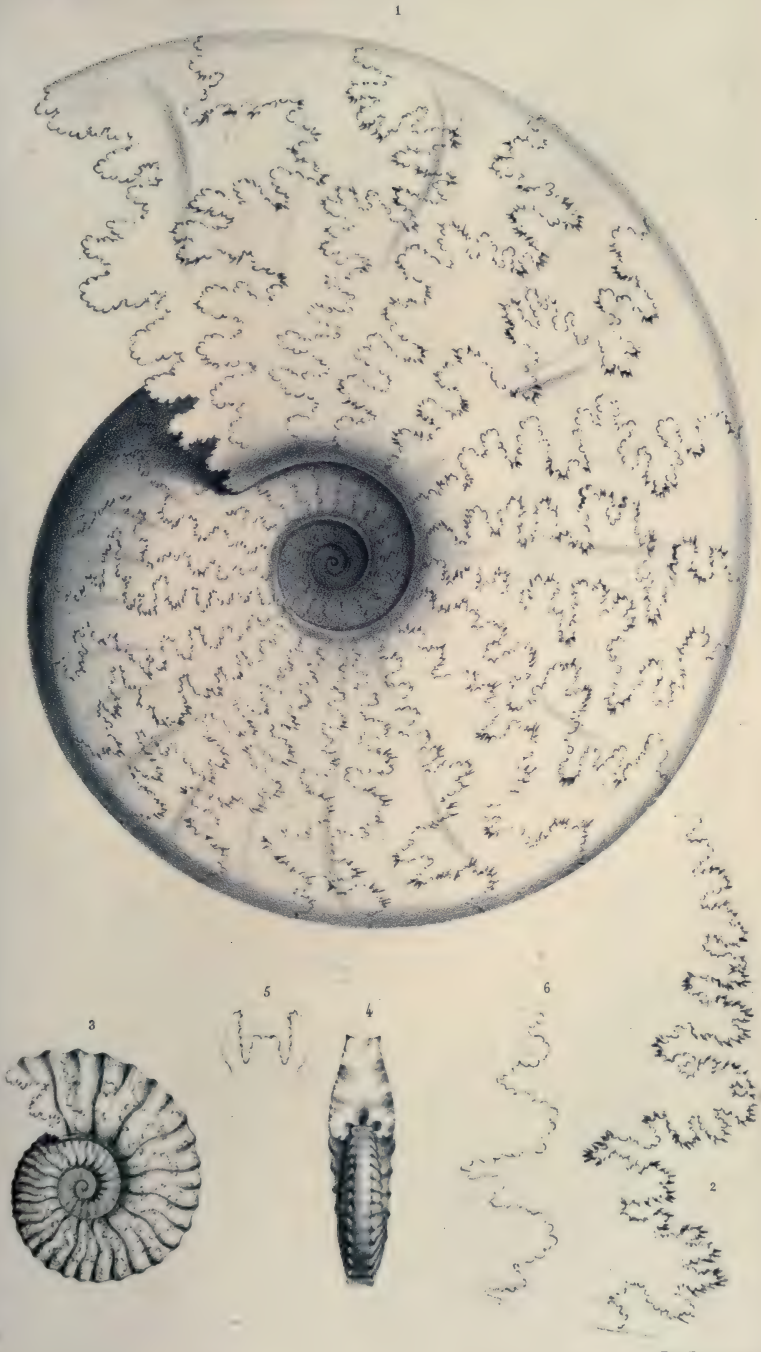
J. Delarue lith. Imp. Lemercier, Benard et C.

Ammonites Serratus, Parkinson. G.

J. Delarue lith. Im. Lemercier, Benard et C.

Ammonites ~~*interruptus Bruguieres*~~ *G.*

Delaruei Orbign. Prodr. II p. 122



Delarue lith

Imp. Lemercier, Benard et C.

J. Delarue lith.

Im. Lemercier Benard et C.

1.3, *Ammonites Beudanti*, Brongniart G.

4.5, *A. Dufrenoyi*, d'Orb. N. Aptien

Pl. 34

J. Delarue lith

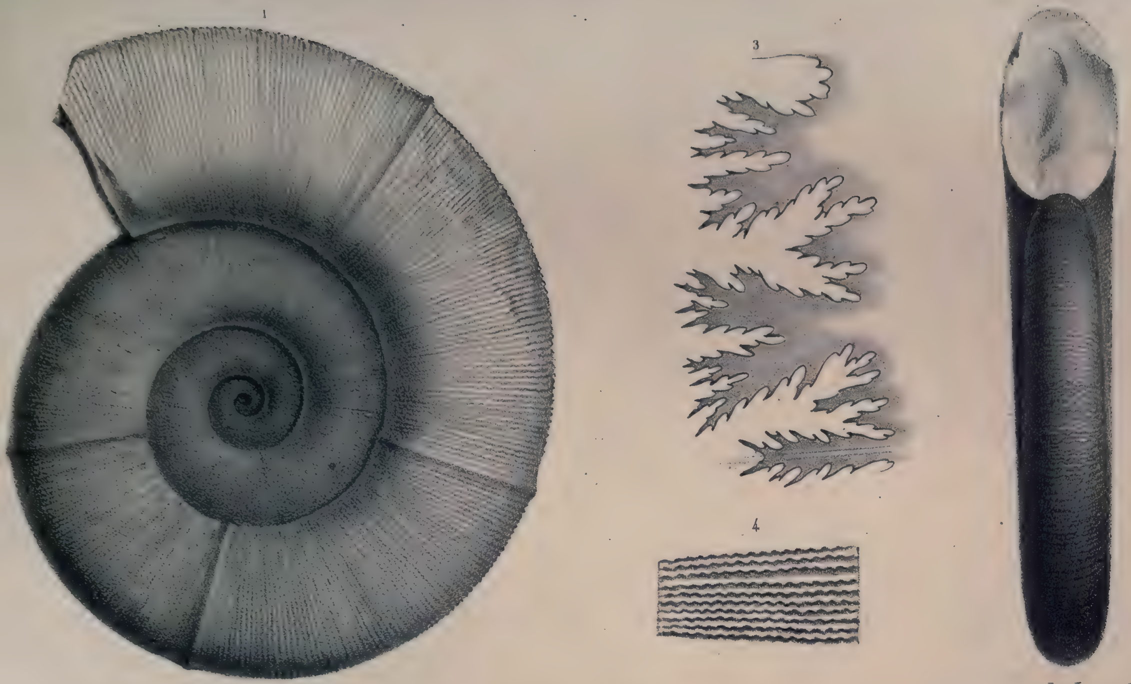
Imp. Lemercier, Be

1.6. *Ammonites Beudanti*, Brongniart. G.

7.10. *A.* ———— *latidorsatus*, Michelin. G.

J. Delarue lith. Im. Lemercier, Benard et C.

Ammonites Beudanti, Brongniart G.

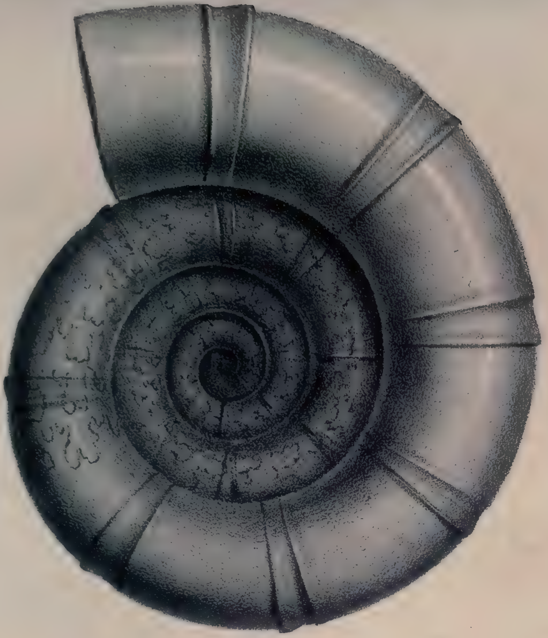


larue lith.

Imp. Lemercier Benard et C.

A. subfimbriatus d'Orb. N.

1



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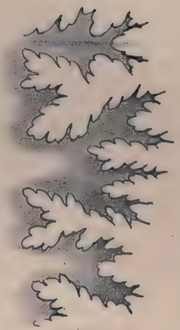
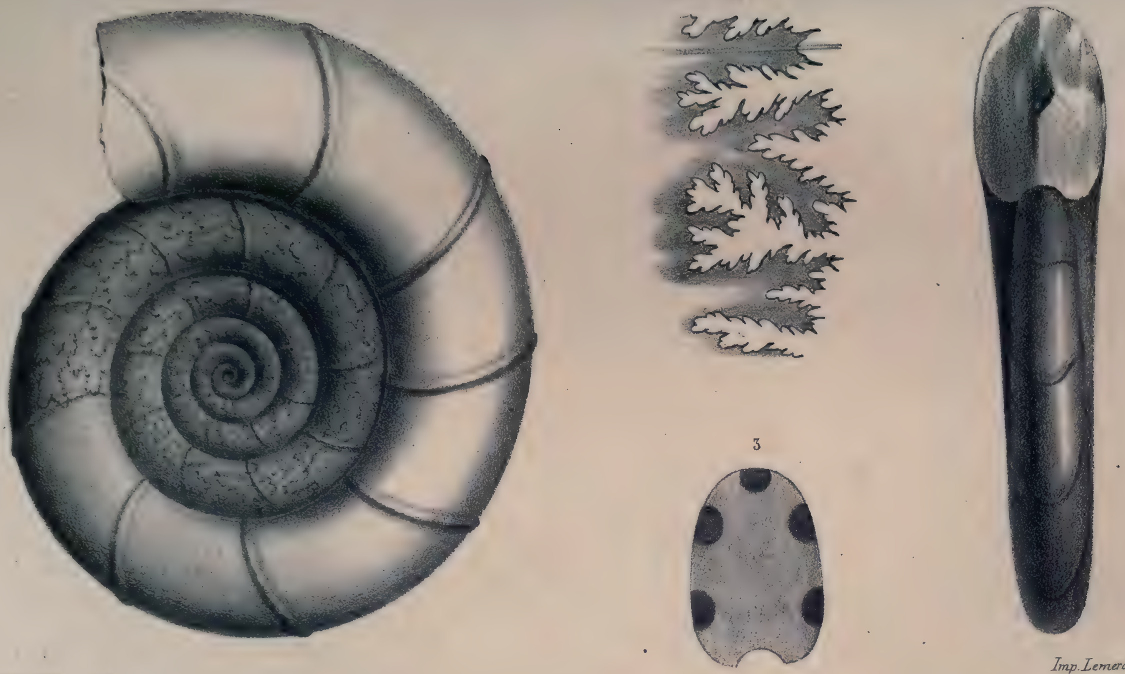


2

J. Delarue lith. Imp. Lemercier Benard et C.

A. ophiurus, d'Orb. N. findet sich nicht im Prodrome

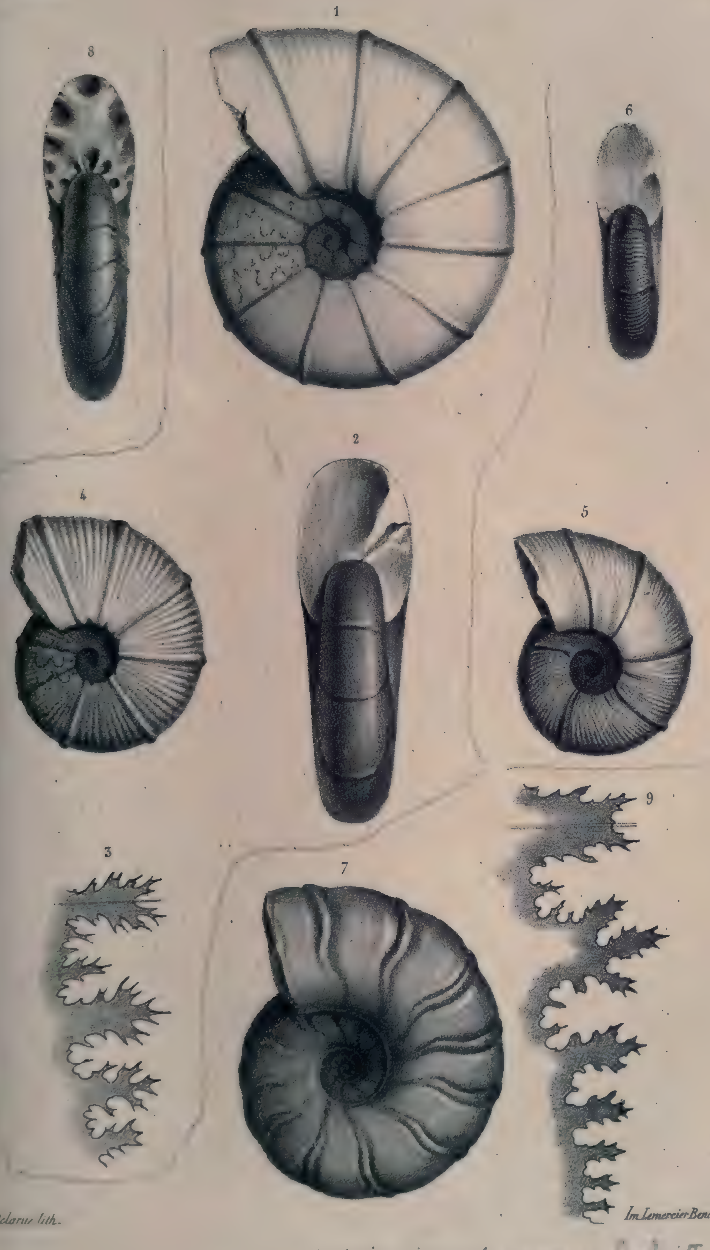
1 4 2 3



J Delarue lith.

Imp. Lemercier Benard et C.

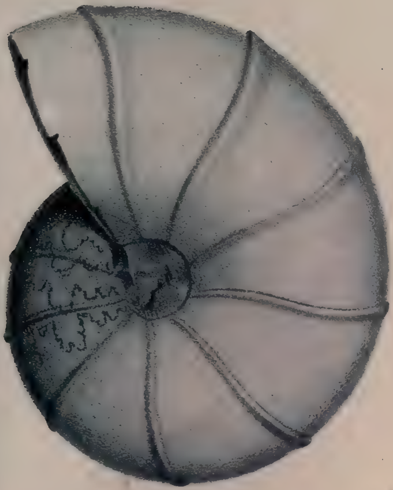
A. Honnoratianus, d'Orb. N. Urgonien Pict. I p. 98



J. Delarue lith.   Im. Lemercier Benard et C.

1, 4. A. ligatus d'Orb. N.
5. 6. A. intermedius d'Orb. N.
7. 9. A. Parandieri d'Orb. N

1



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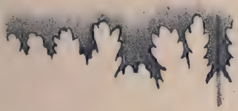


4

5

J. Delarue lith. Imp. Lemercier Benard et C.

1.3 A. cassida, Raspail N.
4.5. A. infundibulum; d'Orb. N.

J. Delarue lith.

Imp. Lemercier Benard et C.

1, 2. *A. pulchellus*, d'Orb. N.
3, 4. *A. recticostatus*, d'Orb. N.

J. Delarue lith.

Imp. Lemercier, Benard et C.

1, 2 A. *difficilis*, d'Orb. N.

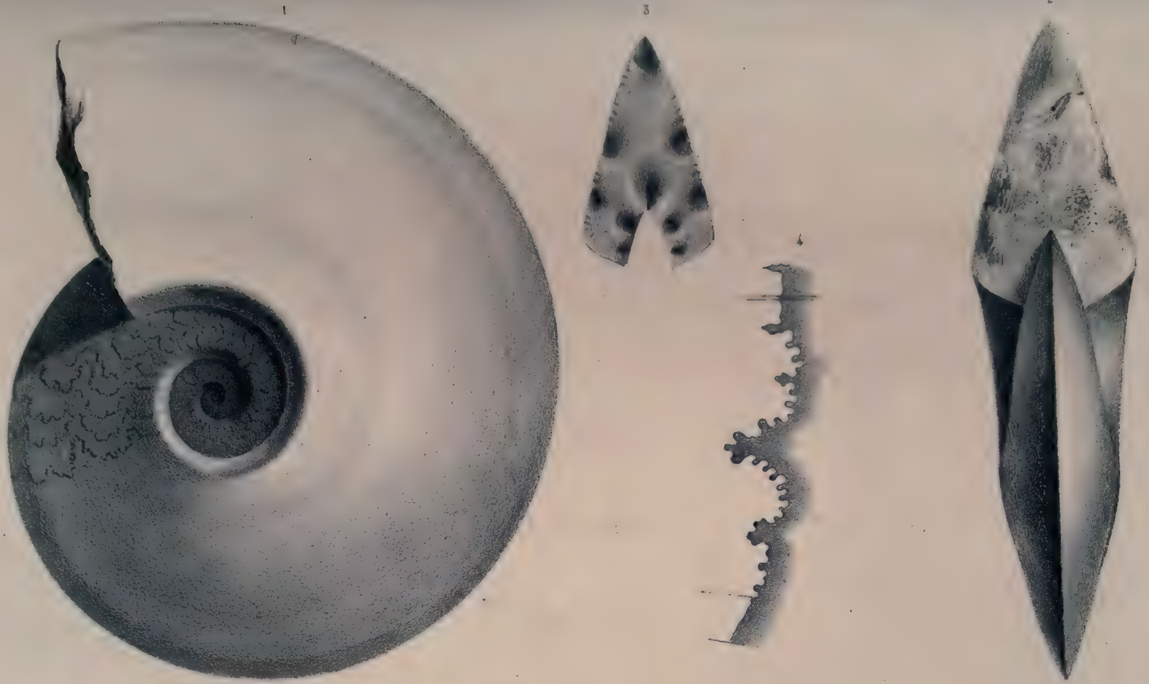
3, 4 A. *semistriatus*, d'Orb. N.

J. Delarue lith.

Imp. Lemercier, Benard et C.

1, 2. A. clypeiformis, d'Orb. N.

3, 4. A. macilentus, d'Orb. N.



J. Delarue lith. Imp. Lemercier Benard et C.

A. Gevrilianus, d'Orb. N.

J. Delarue lith.   Imp. Lemercier, Benard et C.

A. Grasianus, d'Orb. N.

J. Delarue lith. Imp. Lemercier Benard et C.

1.2. *A. dispar*, d'Orb. N.
3.4. *A. flexisulcatus*, d'Orb. N.

J. Delarue lith.

Imp. Lemercier, Benard et C.

1, 2. *A. cultratus*, d'Orb. N.
3, 4. *A. angulicostatus*, d'Orb. N.

J. Delarue lith.

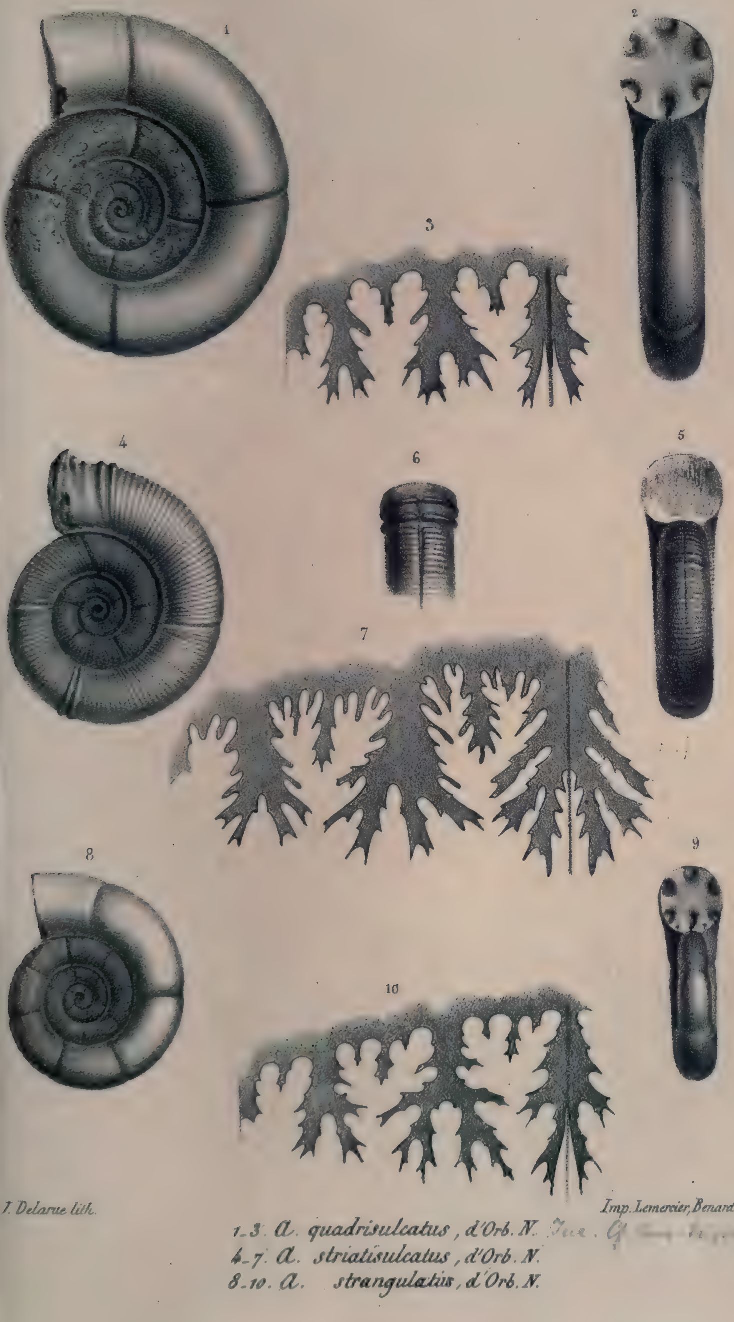
Imp. Lemercier, Benard et C.

A. consobrinus, d'Orb. N.

J. Delarue lith.

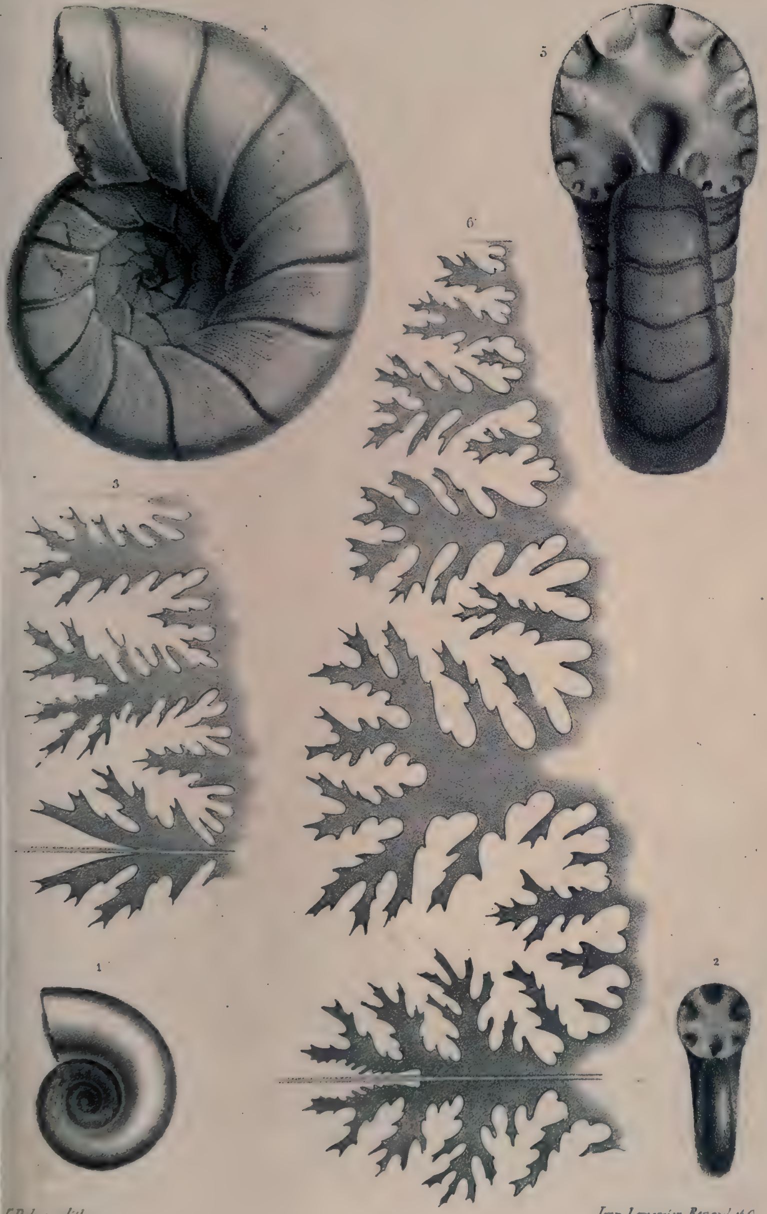
Imp. Lemercier, Benard et C.

1_2. A. Matheronii, d'Orb. N.
3_4. A. lepidus, d'Orb. N.



J. Delarue lith. Imp. Lemercier, Benard et C.

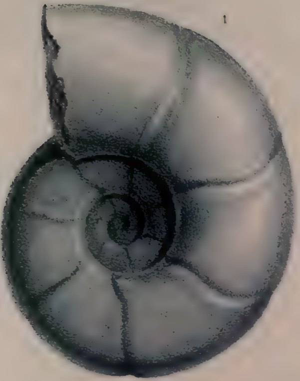
1-3. *A. quadrisulcatus*, d'Orb. N.
4-7. *A. striatisulcatus*, d'Orb. N.
8-10. *A. strangulatus*, d'Orb. N.



J. Delarue lith. Imp. Lemercier, Benard et C.

1_3. *A. Juilleti*, d'Orb. N.
4 6. *A Duvalianus*, d'Orb. N.

1



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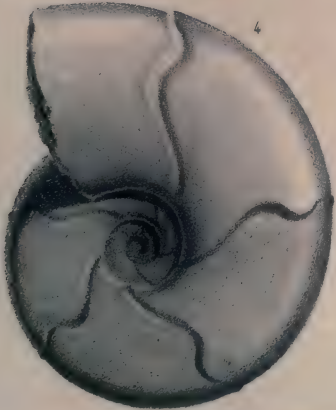

5

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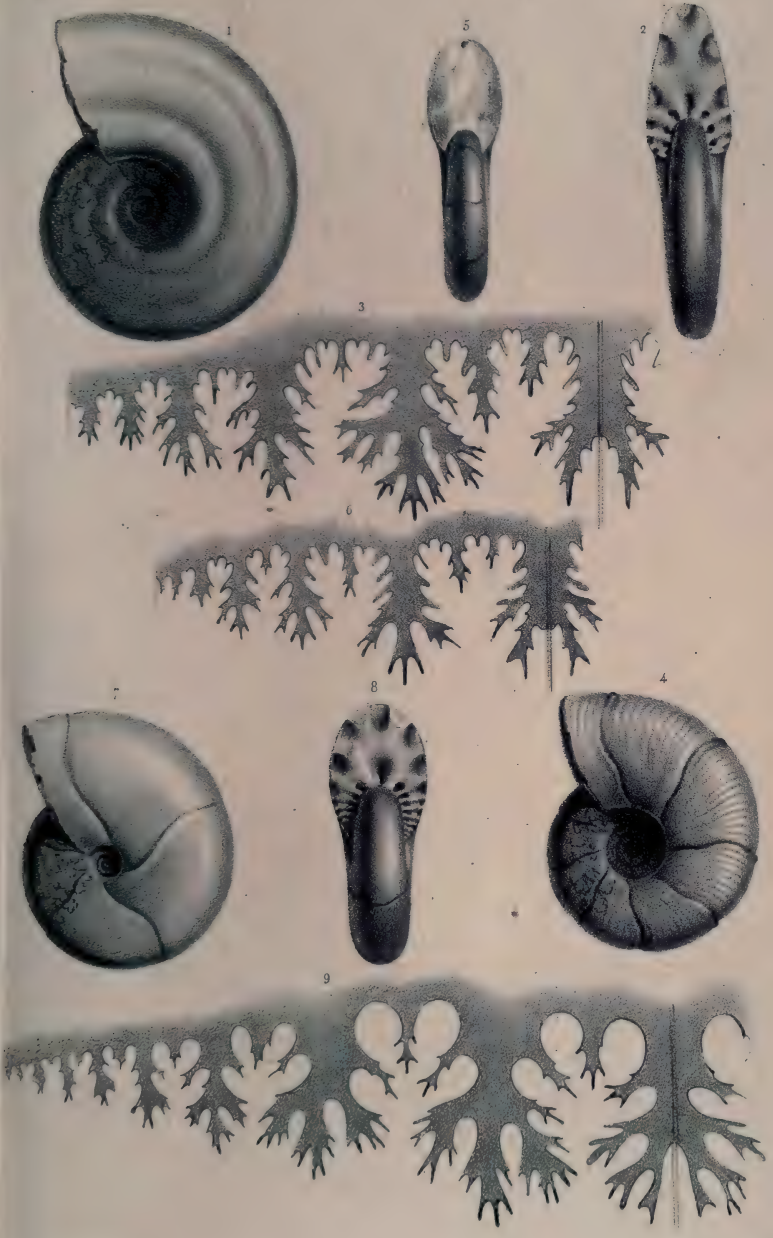
J. Delarue lith. Imp: Lemercier, Benard et C.

1_3. *A. Emerici, Raspail N.*

4-6. *A. tortisulcatus, d'Orb. N.*



J. Delarue lith. Im. Lemercier, Benard et Cie.

1.3. *A. impressus, d'Orb. N.*
4.6. *A. Belus, d'Orb. N.*
7.9. *A. Calypso, d'Orb. N. Jur.*

J. Delarue lith. Im. Lemercier, Bénard et C.

1. 3. *A. Guettardi*, Raspail. N.
4. 6. *A. semisulcatus*, d'Orb. N.
7. 9. *A. Thetys*, d'Orb. N. (Prodr. II

J. Delarue lith. Im. Lemercier, Benard et C.

1.3. A. *Morelianus*, d'Orb. N.
4.6. A. *picturatus*, d'Orb. N.
7.9 A. *Terveri*, d'Orb. N.

J. Delarue lith. — Im. Lemercier, Bénard et C.

1.3. A. *diphyllus*, d'Orb. N.
4.6. A. *inornatus*, d'Orb. N.
7.9. A. *Nisus*; d'Orb. N.

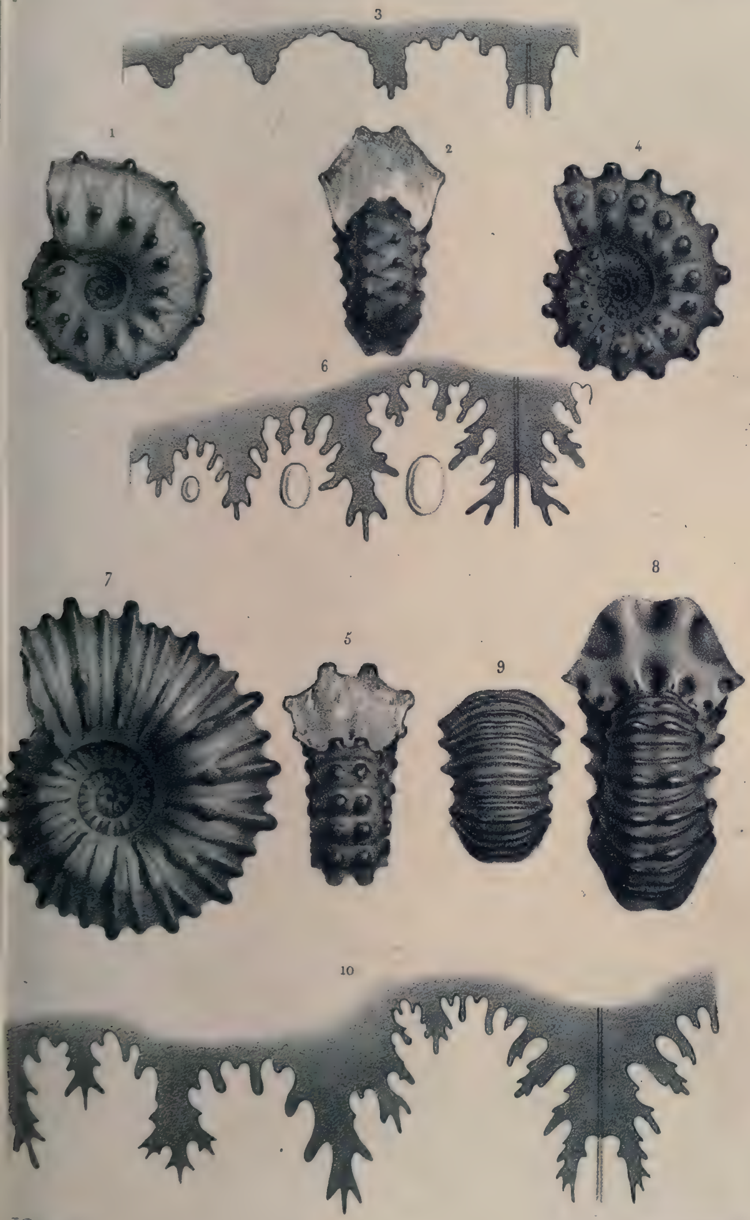
J. Delarue lith.　　　　　　　　　　　　　　　　　　　　Im. Lemercier, Bénard et C.

1, 2. A. Ixion, d'Orb. N.
3, 5 A. Jeannotii, d'Orb. N.

J. Delarue lith.

Im. Lemercier, Bénard et C.

1.2 *A. helius*, d'Orb. N.
3.4. *A. bidichotomus*, Leymerie, N.



J. Delarue lith. Im. Lemercier, Bénard et Cie

1.3. *A. verrucosus*, d'Orb. N.
4.6. *A. pretiosus*, d'Orb. N.
7.10. *A. Martinii*, d'Orb. N.

J. Delarue lith. Im. Lemercier, Bénard et C.

1, 4. *A. crassicostatus*, d'Orb. N.
5, 7. *A. gargasensis*, d'Orb. N.
8, 10. *A. neocomiensis*, d'Orb. N.

Delarue lith. Imp. Lemercier Benard et Cie

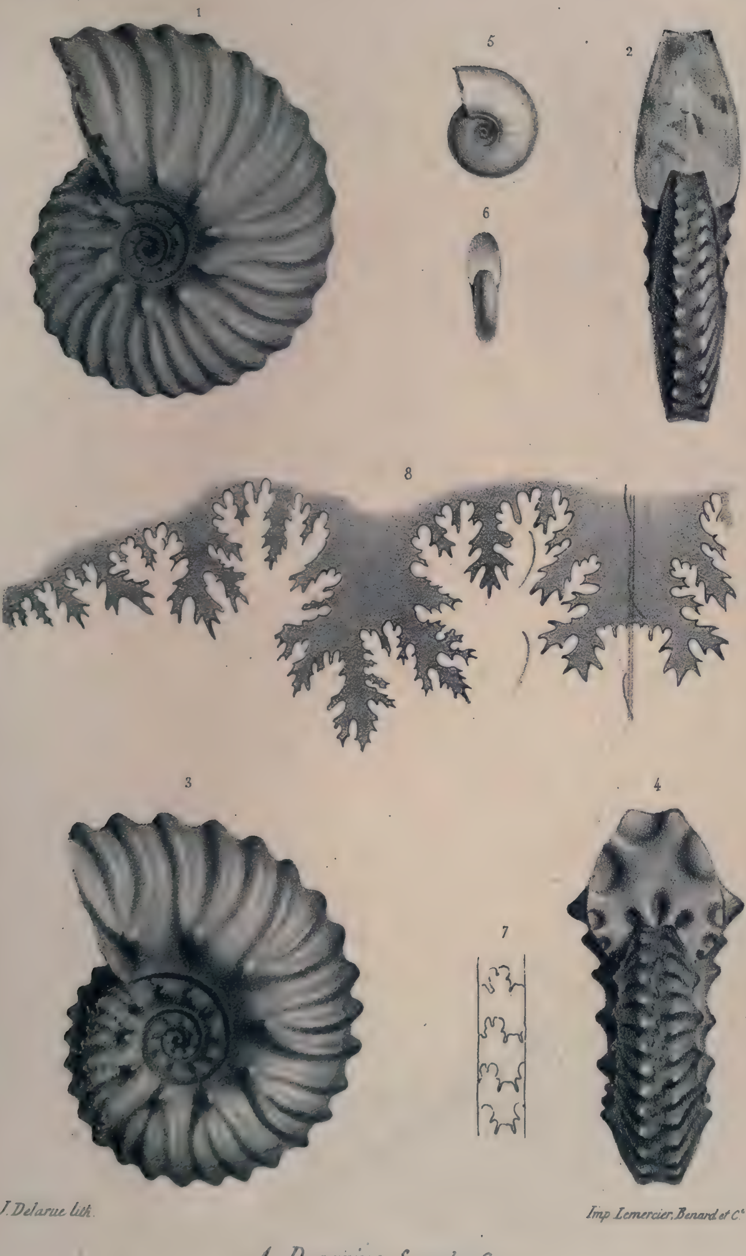
1-3. A. sinuosus, d'Orb. N.
4-6. A. asperimus, d'Orb. N.
7-9. A. simplus, d'Orb. N.

J. Delarue lith.

Imp. Lemercier, Benard et C.ie

1-3. A. Carteronii, d'Orb. N.

4-5. A. compressissimus, d'Orb. N.



J. Delarue lith. Imp. Lemercier, Benard et Cie

A. Denarius, Sowerby G.

J. Delarue lith.

Imp. Lemercier Benard et C.

A. splendens, Sowerby. G.

J. Delarue lith.

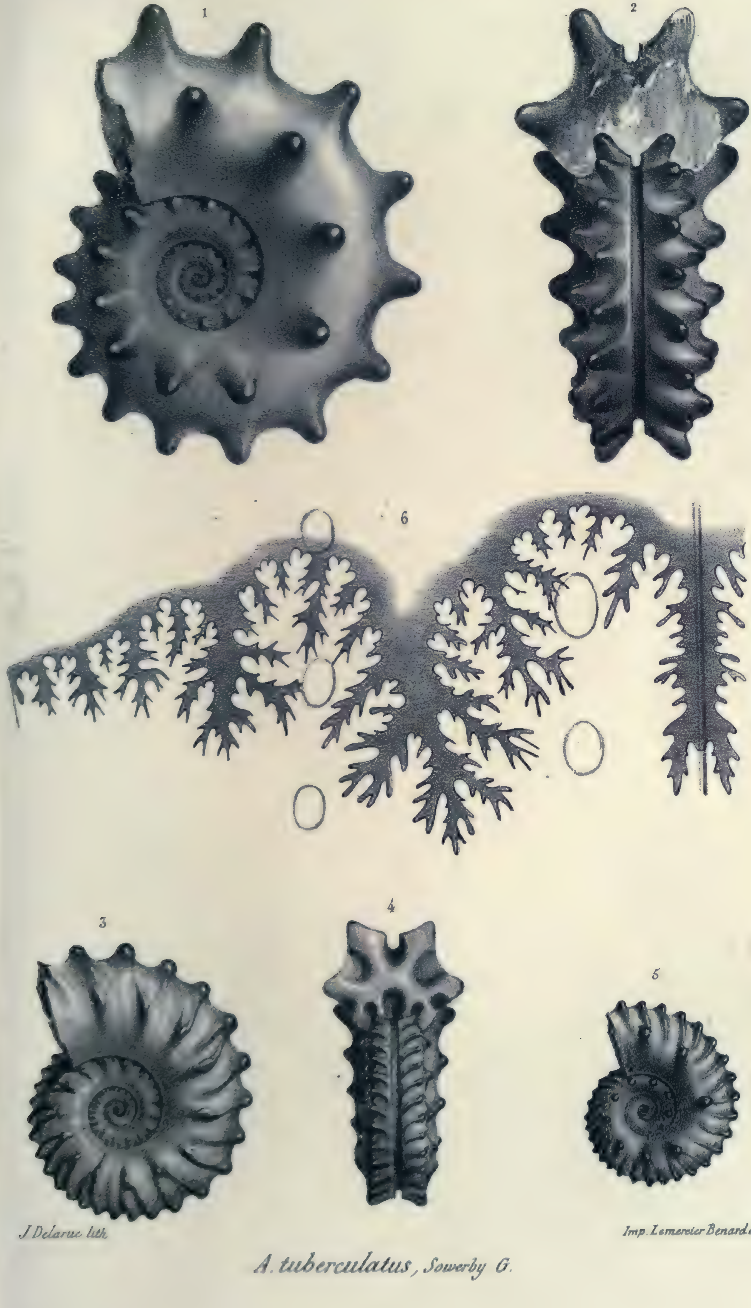
Imp. Lemercier, Benard et C.

1.2. A. Fittoni, d'Archiac G.
3.5. A. lautus, Parkinson G.

J. Delarue lith.

Imp. Lemercier Benard et C.

A. auritus, Sowerby. G.



J. Delarue lith   Imp. Lemercier Benard et C.

A. tuberculatus, Sowerby G.

J. Delarue lith. Imp. Lemercier Benard et C.

1, 4, *A. Guersanti*, d'Orb. G.
5, 7. *A. mosensis*, d'Orb. G.

J. Delarue lith.

Im. Lemercier, Bénard et Cie

A. Raulinianus, d'Orb. G.

J. Delarue lith.

Im. Lemercier, Bénard et C.

1, 2. A. Camatteanus, d'Orb. G.
3, 5. A. Michelinianus, d'Orb. G.

J. Delarue lith.

Im. Lemercier, Bénard et C.

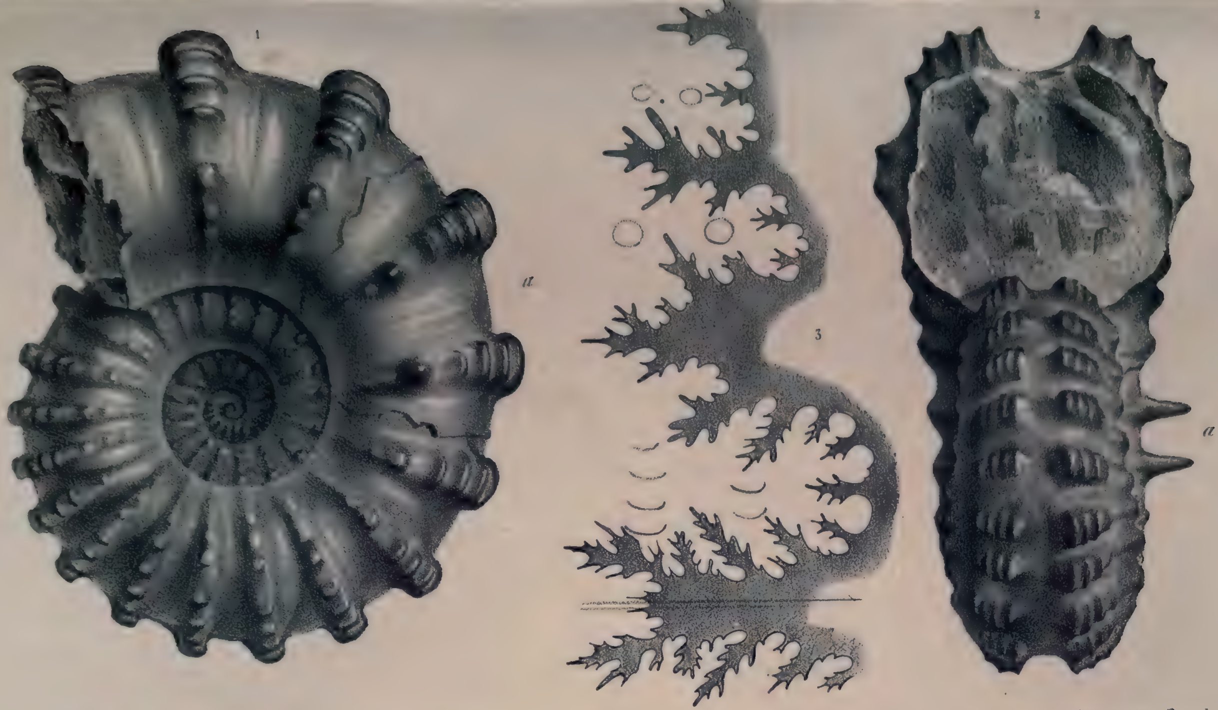
A. Archiacianus, d'Orb. G.

J. Delarue lith. Im. Lemercier, Bénard et C.

1.3. A. regularis, Bruguière G
4,5. A. tarde-furcatus, Leymerie G.

J. Delarue lith. Imp. Lemercier, Benard et C.

A. mammillaris. Schlotheim G



J. Delarue lith.

Imp. Lemercier, Benard et Cie.

A. mammillaris, Schlotheim G.

J. Delarue lith.

Imp. Lemercier, Benard et C.

A. Lyelli, Leymerie G.

J. Delarue lith.

Imp. Lemercier, Benard et C.

1, 4. *A. nodosocostatus*, d'Orb. G.

5, 6. *A. Clementinus*, d'Orb. G.

J. Delarue lith.

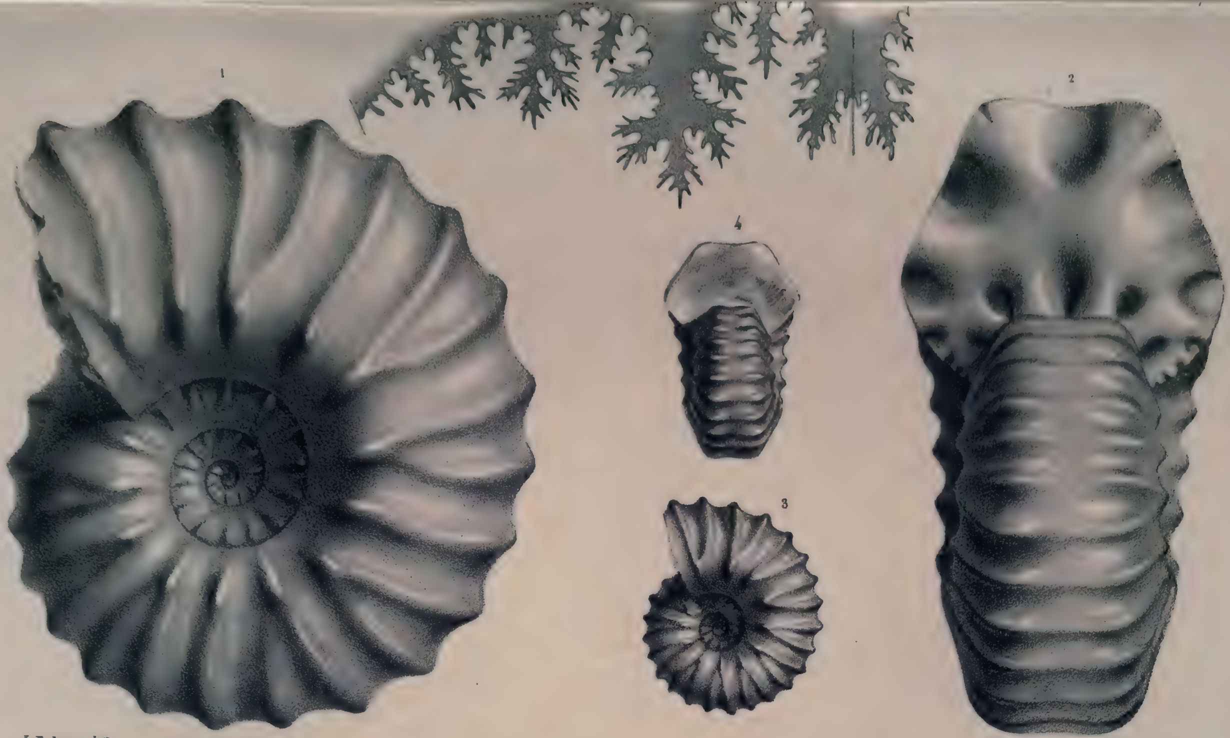
Imp. Lemercier, Benard et C.

A. fissicostatus, Phillips. G.

J. Delarue lith.

Imp. Lemercier, Benard et C.

A. Milletianus, d'Orb. G.



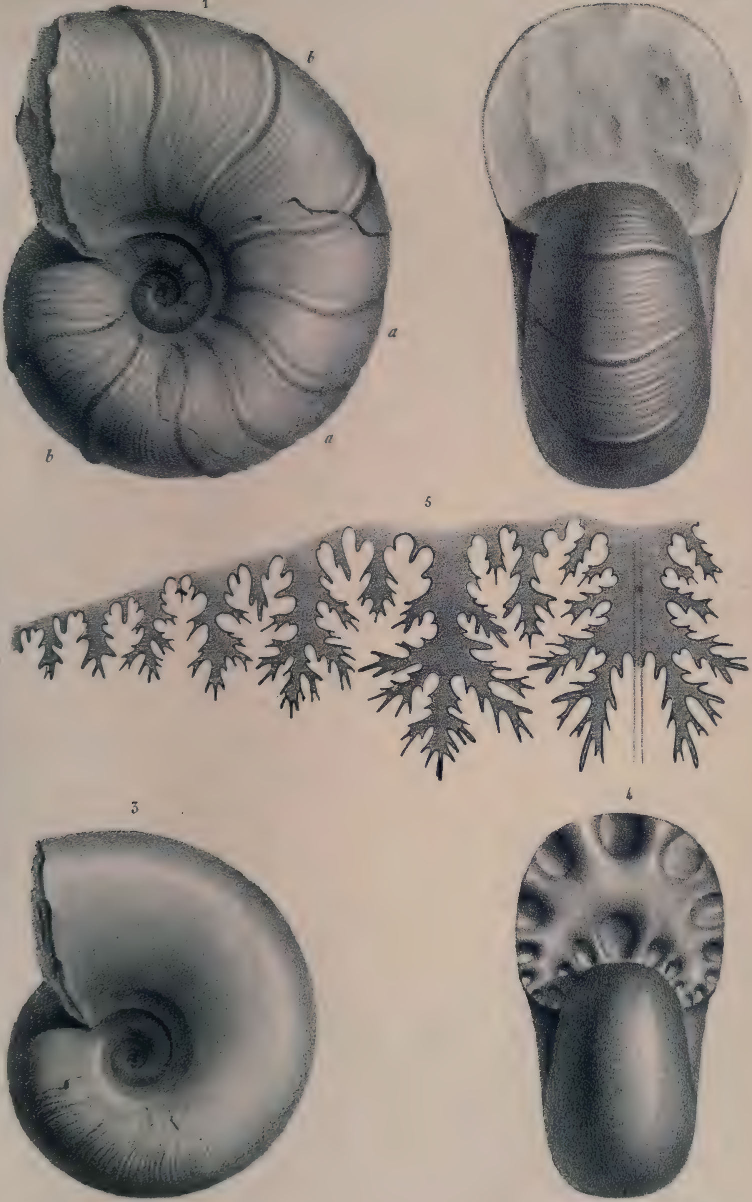
J. Delarue lith.

Im. Lemercier, Benard et C.

A. Puzosianus, d'Orb. G.

J. Delarue lith.   Imp. Lemercier, Benard et Cie

A. Mayorianus, d'Orb. G.



J. Delarue lith. Imp. Lemercier, Benard et C.

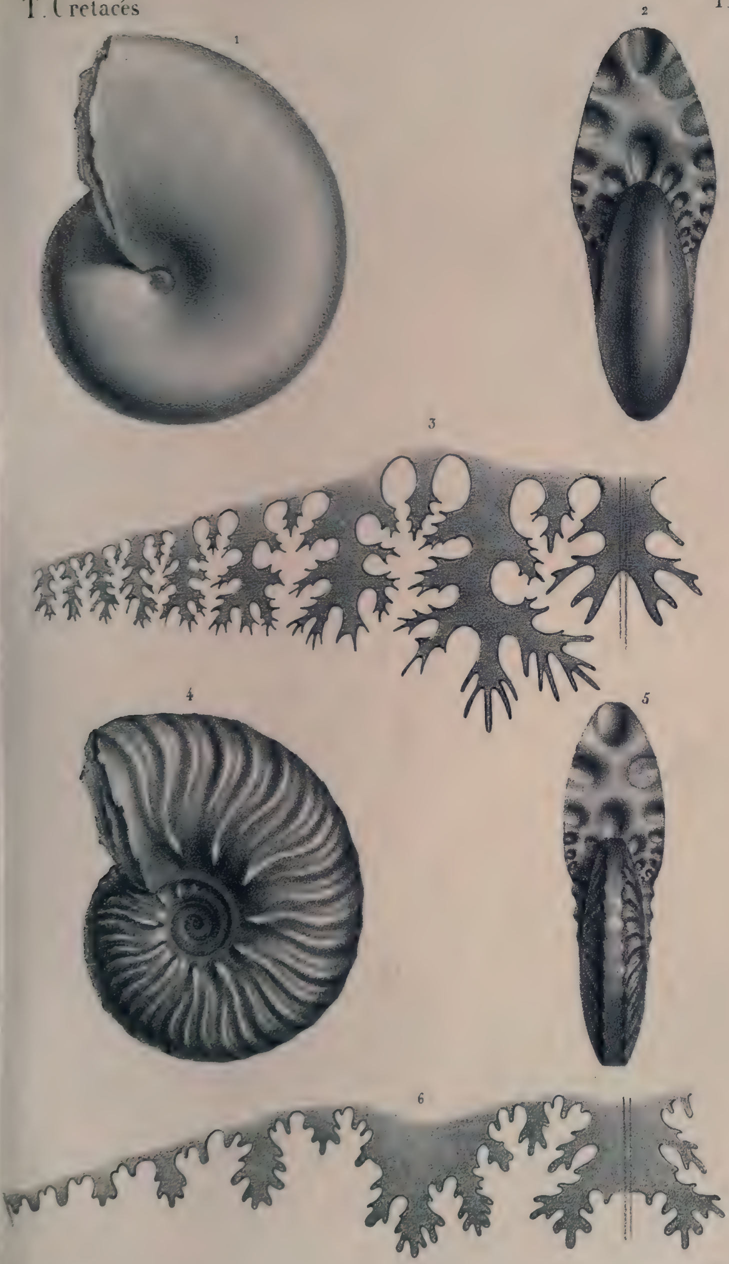
A. latidorsatus, Michelin G.

J. Delarue lith. Imp. Lemercier, Benard et C.

1-3. *A. versicostatus*, Michelin, G.
4. 5. *A. cesticulatus*, Leymerie, G.
6. 8. *A. Dupinianus*, d'Orbigny, G.

J. Delarue lith. Imp. Lemercier, Benard et C.

A. Velledæ, Michelin, G.



J. Delarue lith.

Imp. Lemercier, Benard et C.

1, 3. A. alpinus, d'Orb. G.
4, 6. A. quercifolius, d'Orb. G.

J. Delarue lith.

Im. Lemercier, Benard et Cie

A. bicurvatus, Michelin G.

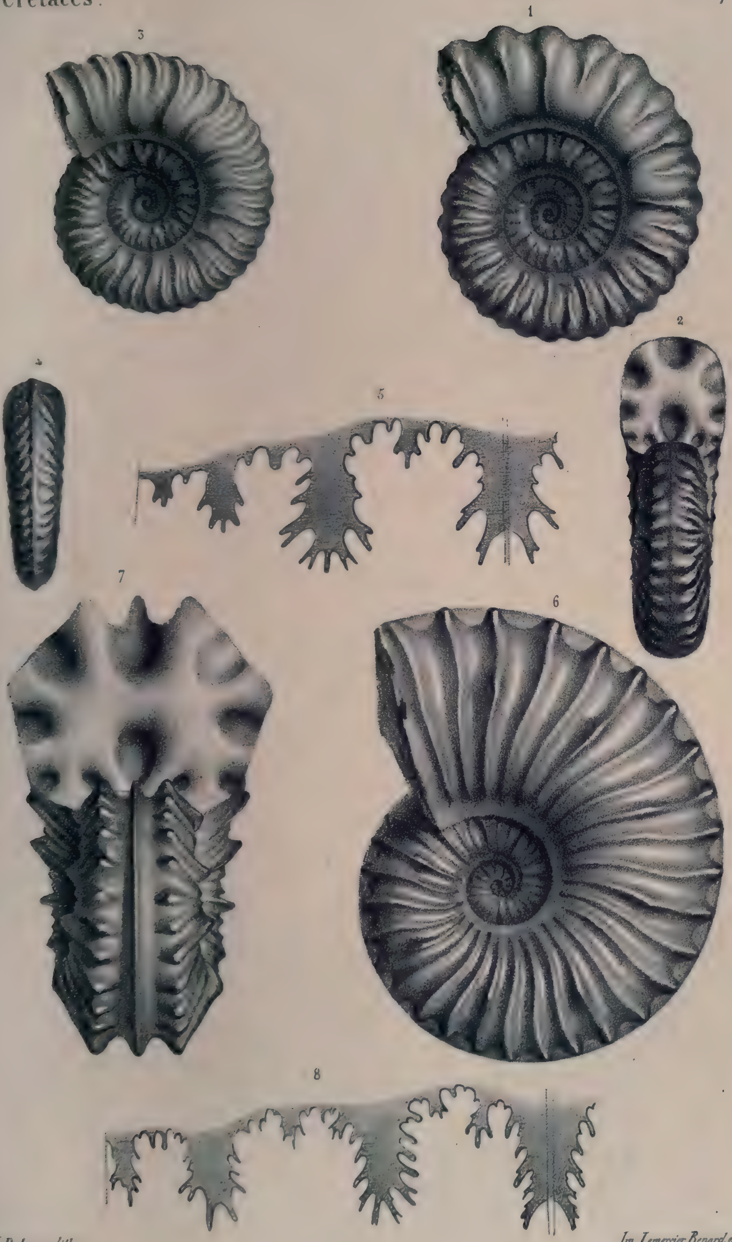
J. Delarue lith. Im. Lemercier Benard et C.

1, 4, *A. Deshayesi*, Leymerie G.
5. 7, *A. raresulcatus*, Leymerie G.
8, 10. *A. Brottianus*, d'Orb. G.

J. Delarue lith.

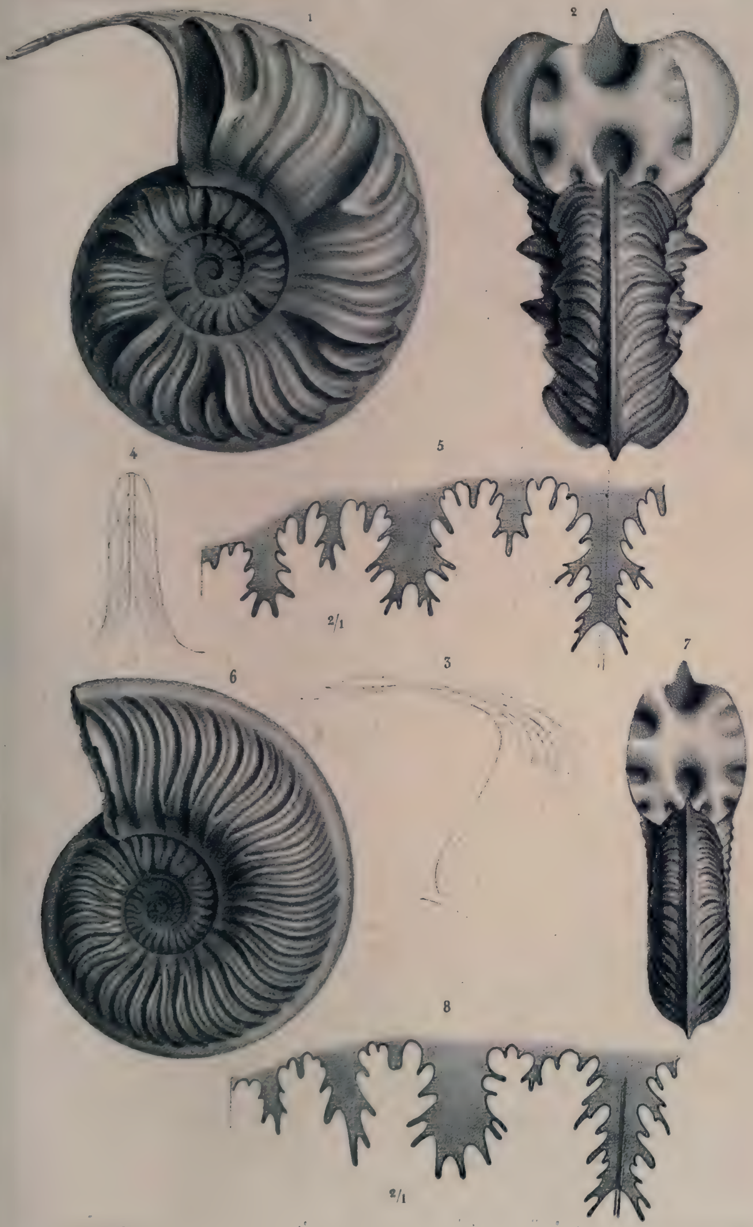
Im Lemercier, Benard et C.

1.2. *A. Hugardianus*, d'Orb. G.
3.5. *A. Seneguieri*, d'Orb. G.



J. Delarue lith. Im. Lemercier Benard et C.

1-5. *A. varicosus*, Sowerby G.
6-8. *A. Delaruei*, d'Orb. G.



J. Delarue lith.

Im. Lemercier, Benard et C.

1-5. *A. cristatus*, Deluc, G.

6-8. *A. Bouchardianus*, d'Orb. G.

J. Delarue lith.

Im. Lemercier, Benard et C.

A. Roissyanus, d'Orb. G.

1

2

3

1/2

J. Delarue lith.

Imp. Lemercier, Benard et C.

A. inflatus, Sowerby G.

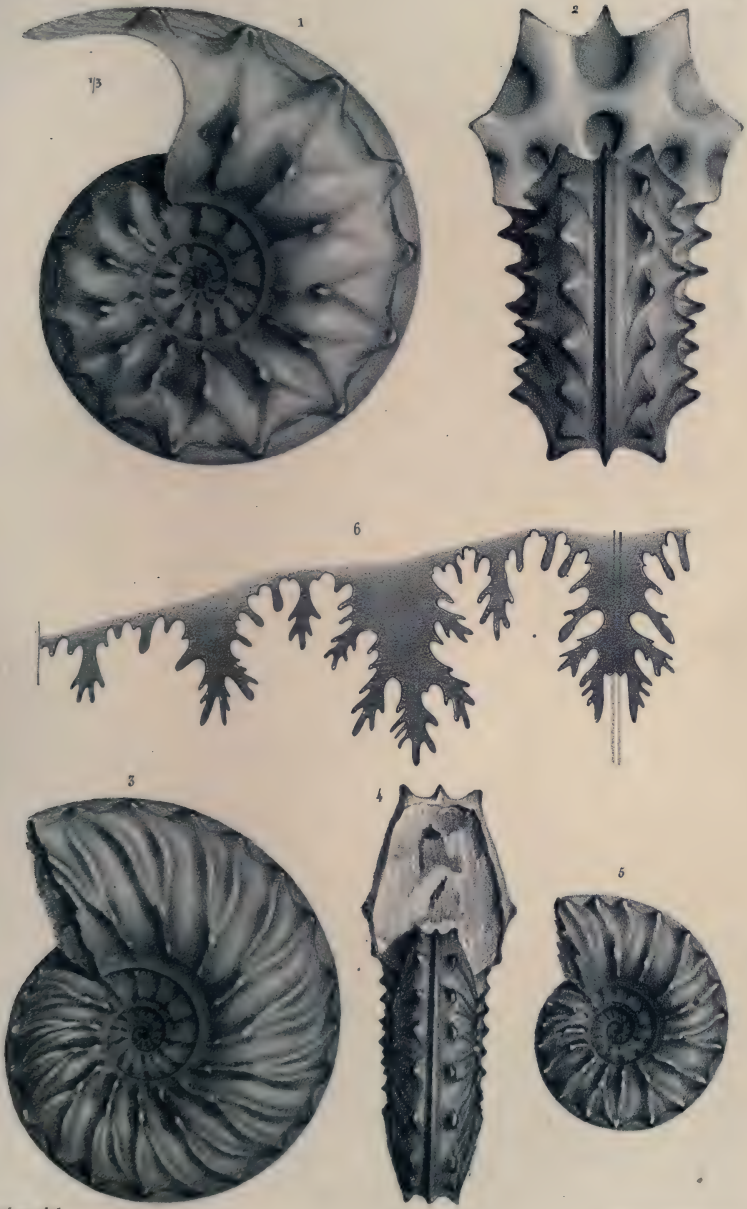
J. Delarue lith.

Im. Lemercier, Benard et C.

1_2. A. *tricarinatus*, d'Orb. CC.

3_4. A. *Bravaisianus*, d'Orb. CC.

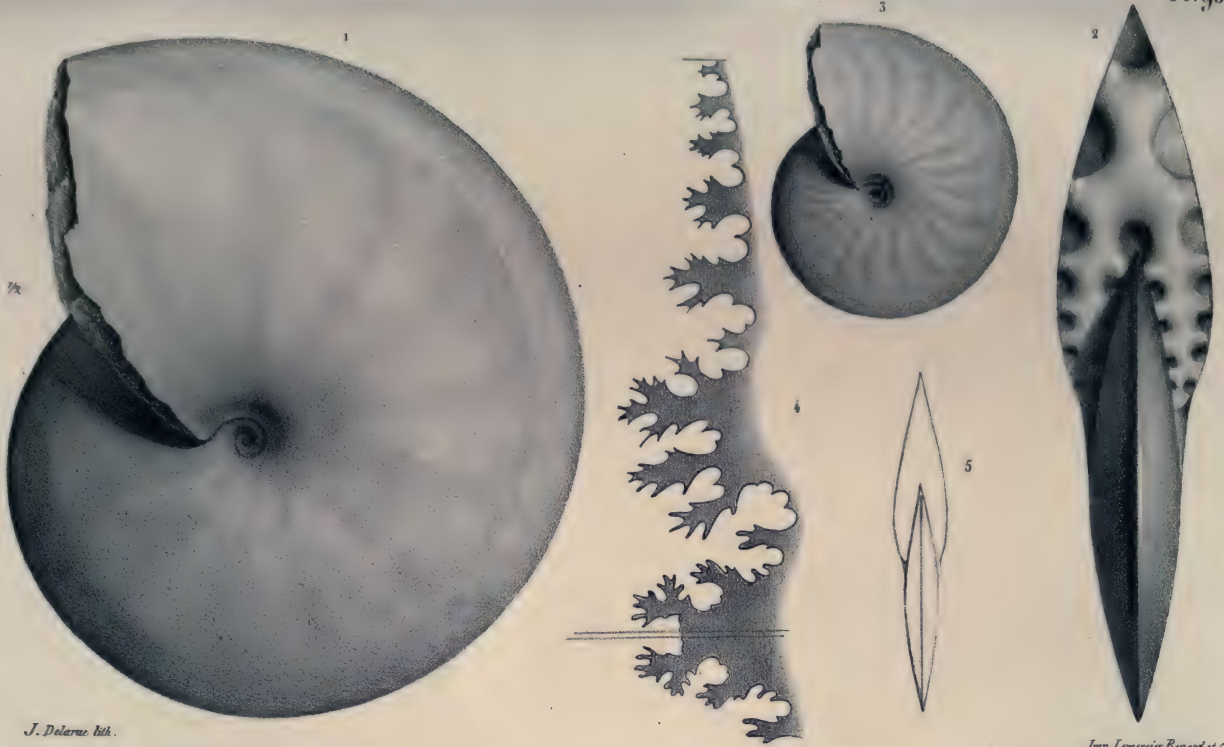
5_6. A. *Carolinus*, d'Orb. CC.



J. Delarue lith.

Imp. Lemercier, Benard et C.

A. Varians, Sowerby CC.



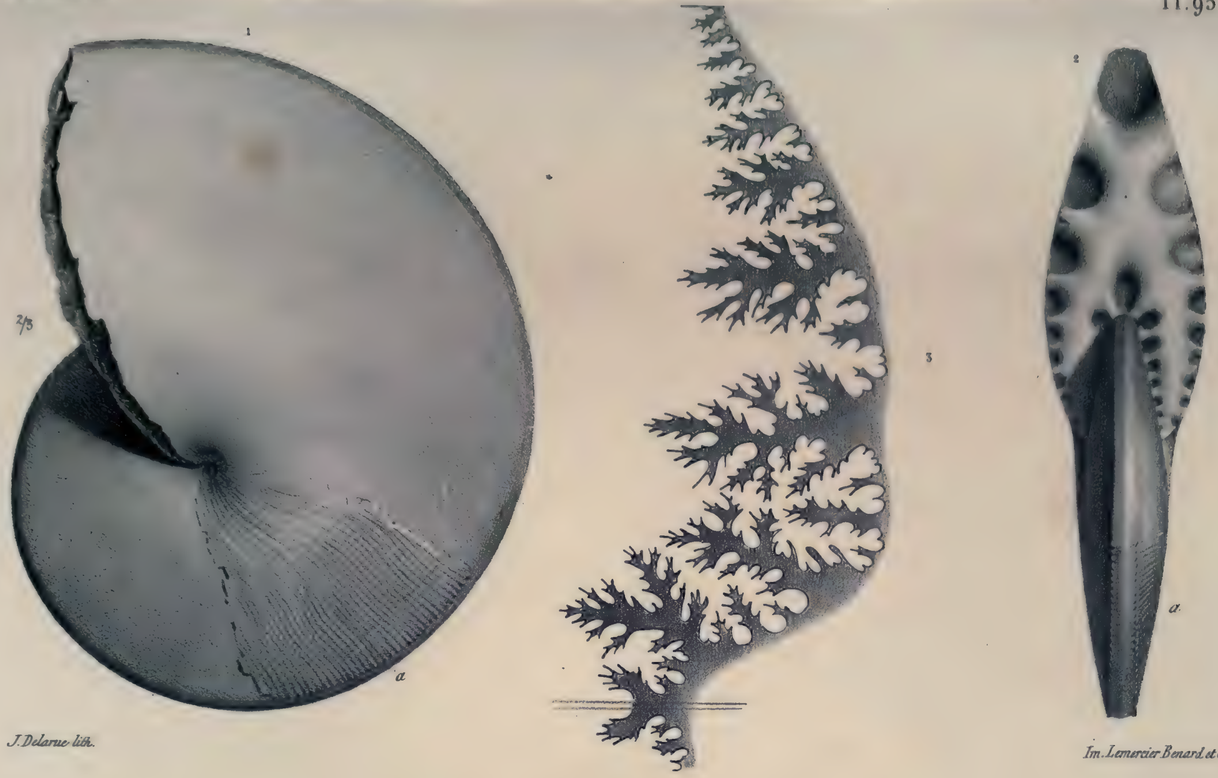
J. Delarue lith.

Imp. Lemercier Benard et C.

A. Requienianus, d'Orb. CC.

J. Delarue lith.   Im. Lemercier, Benard et C.

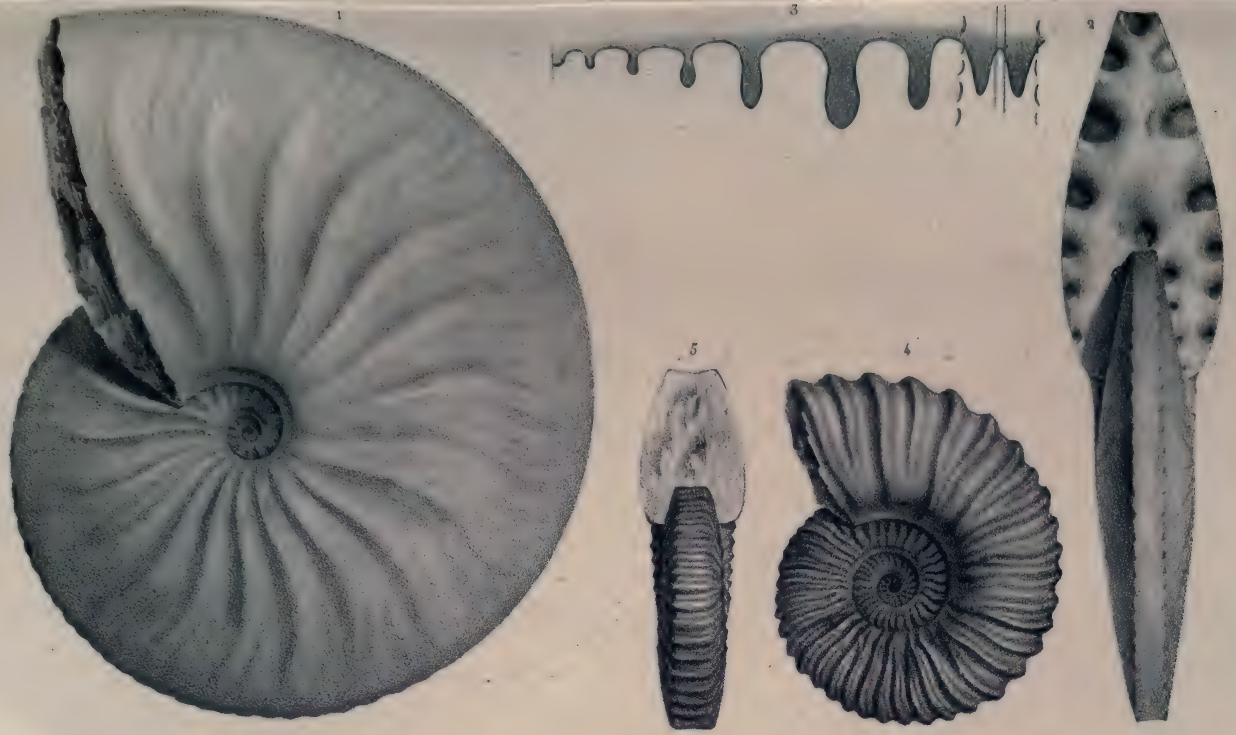
1-3. *A. Goupilianus, d'Orb. cc.*
4-5. *A. Sartousianus, d'Orb. cc.* n. (Prod.)



J. Delarue lith.

Im. Lemercier Benard et C.

A. Largilliertiatus, d'Orb. CC.



J. Delarue lith.

Im. Lemercier, Bénard et C.

1_3 . *Vibrayeanus*, d'Orb. CC.

4_5. *Feraudianus*, d'Orb. CC.

J. Delarue lith.

Imp Lemercier, Bénard et Cie

1-2. A. catillus, Sowerby CC.
3-5. A. Lafresnayanus, d'Orb. CC.

J. Delarue lith.

Im. Lemercier, Bénard et Cie

1_2. A. Beaumontianus, d'Orb. cc.
3_5. A. Verneuilianus, d'Orb. cc.

J. Delarue lith.

Imp. Lemercier, Bénard et C

A. falcatus, Mantell cc.

J. Delarue lith. Im. Lemercier, Benard et C.

1.2 *A. peramplus*, Mantell CC. Turonien. Prodr. II p. 189.

3.4 *A. Prosperianus*, d'Orb. CC. Turonien. Prodr. II p. 189.

1

3

2

J. Delarue lith. Im. Lemercier Benard et C.

A. Lewesiensis, Sowerby. CC.

J. Delarue lith.

Imp. Lemercier, Benard et C.

1.2. A. Lewesiensis, Mantell CC.

3_4. A. Pailletteanus, d'Orb. CC.

1

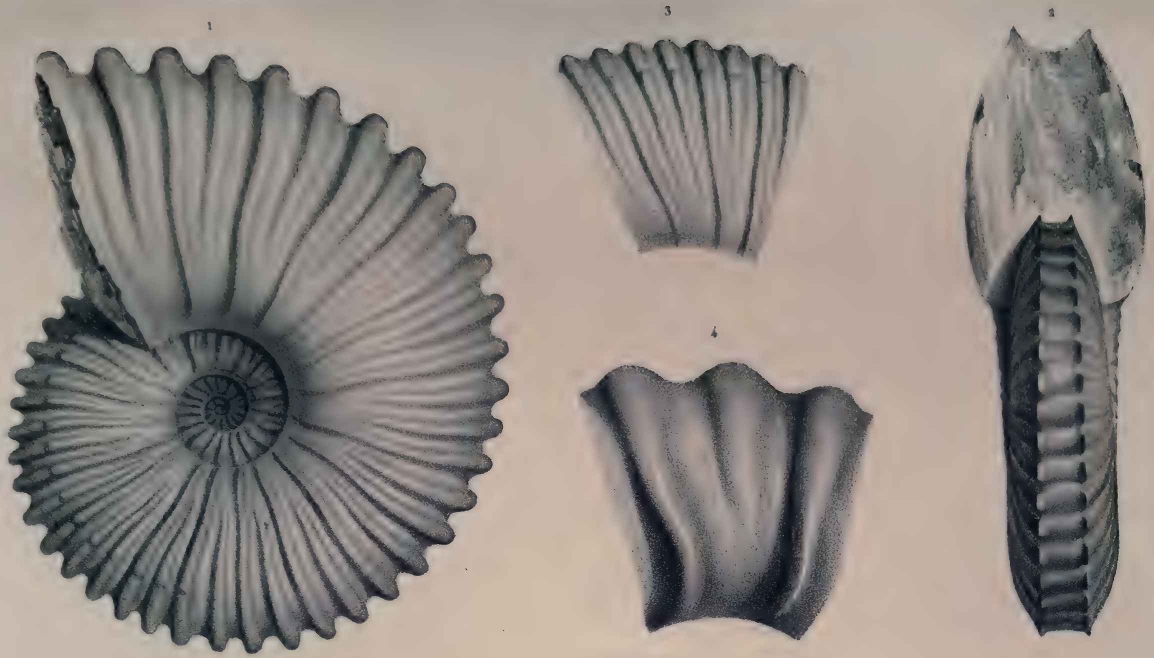
2

3

J. Delarue lith.

Im. Lemercier, Benard et C.

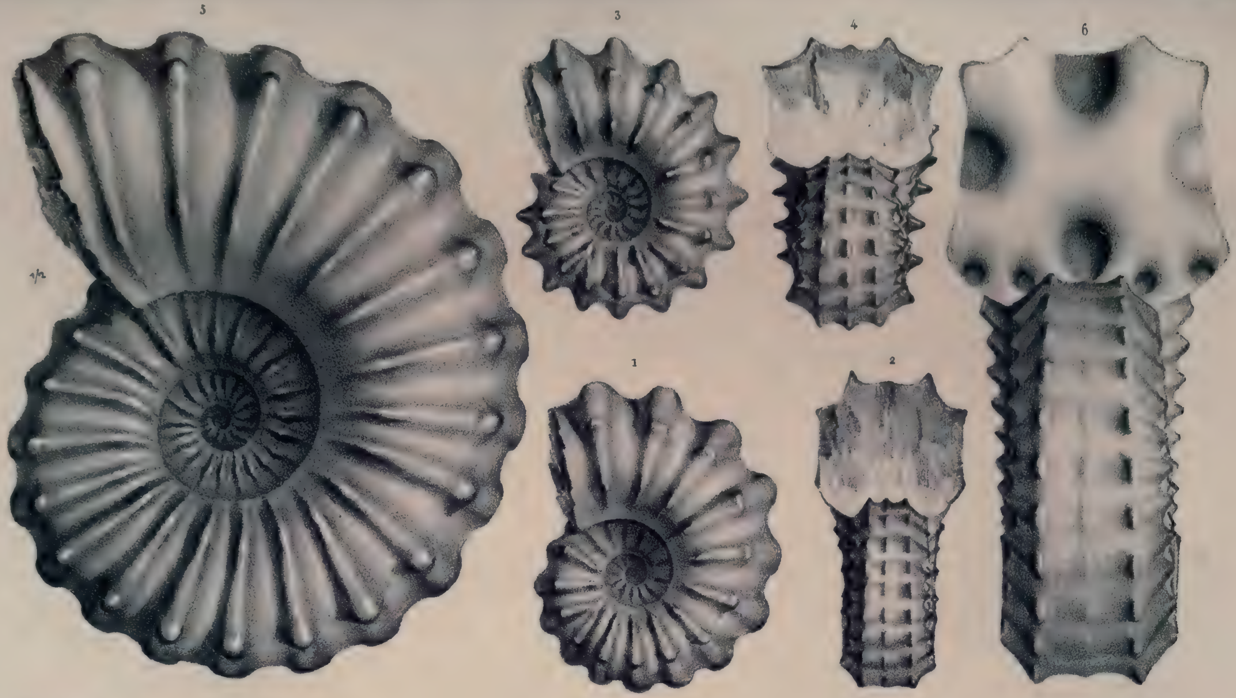
A. Mantelli, Sowerby C C.



J. Delarue lith.

Im. Lemercier, Benard et C.

A. Mantelli, Sowerby G.V.



J. Delarue lith.

Imp. Lemercier, Benard et C.

A. Rhotomagensis, Defrance.

1

3

2

J. Delarue lith.

Im. Lemercier, Benard et C.

A. *Rhotomagensis*, *Defrance*.

1

½

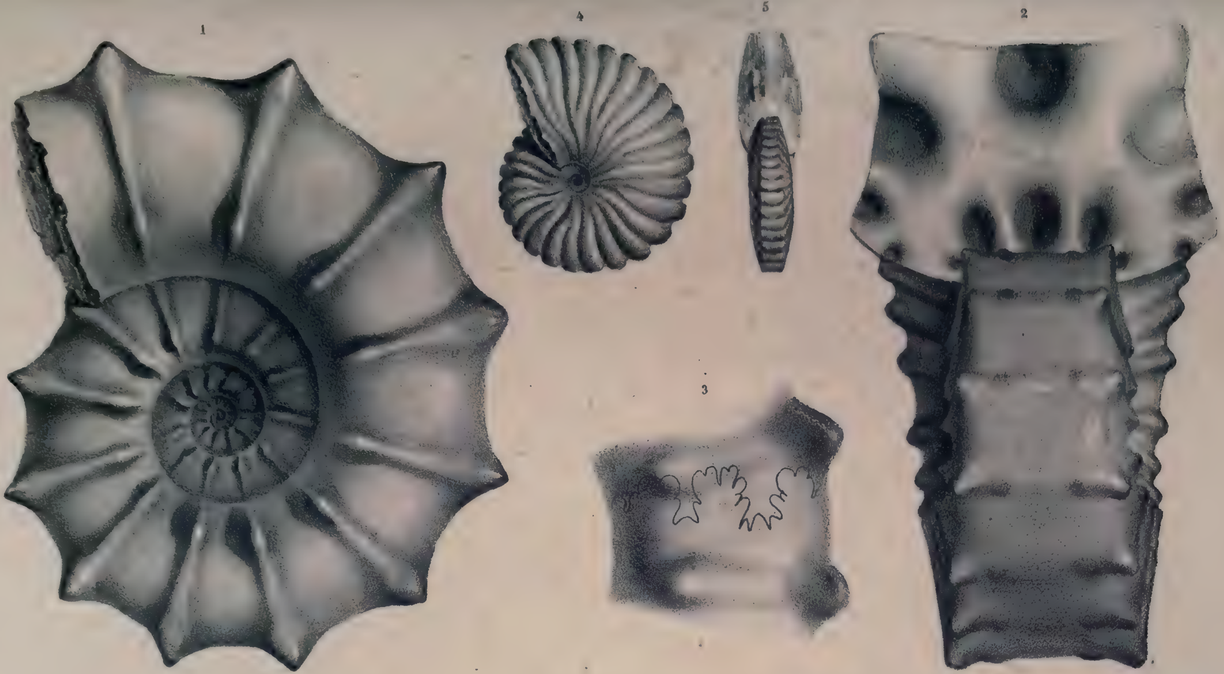
3

2

J. Delarue lith.

Im. Lemercier, Benard et C.

A. Fleuriausianus, d'Orb. C.C.



J. Delarue lith

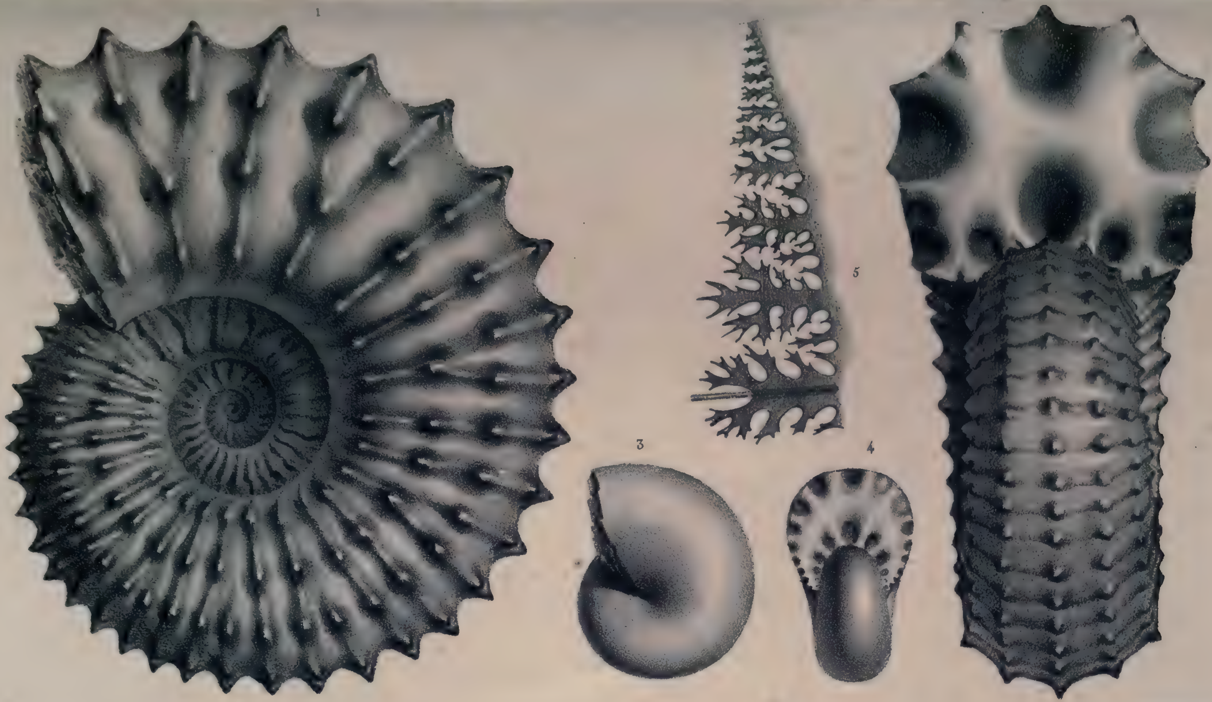
Im. Lemercier Benard et C.

1. 3. *A. Woollgari, Mantell* C.G.
4. 5. *A. Didayanus, d'Orb.* N.

J. Delarue lith.

Im. Lemercier Benard et C.

1.3. A. Papalis, d'Orb. C.C.
4.5. A. Seranonis, d'Orb. N.



J. Delarue lith.

Imp. Lemercier Benard et C.

1.2. A. Deverianus, d'Orb. CC.

3.5. A. Rouyanus, d'Orb. N.

J. Delarue lith.

Im. Lemercier, Benard et C.

1.2. *A. rusticus*, Sowerby CC.

3. *A. Juilleti*, d'Orb. N.

J. Delarue.

Im. Lemercier Benard et C.

1-2. A. Cornuelianus, d'Orb. N.
3-5. A. Royerianus, d'Orb. N.
6-7. A. Itierianus, d'Orb. G.

J. Delarue. Im. Lemercier, Benard et C.

Crioceras Duvalii, Leveillé N.

J. Delarue. Im. Lemercier Benard et C.

1_2. *Crioceras Villiersianus*, d'Orb. N.
3_5. *C. Emerici*, Léveillé. N.

Delarue.

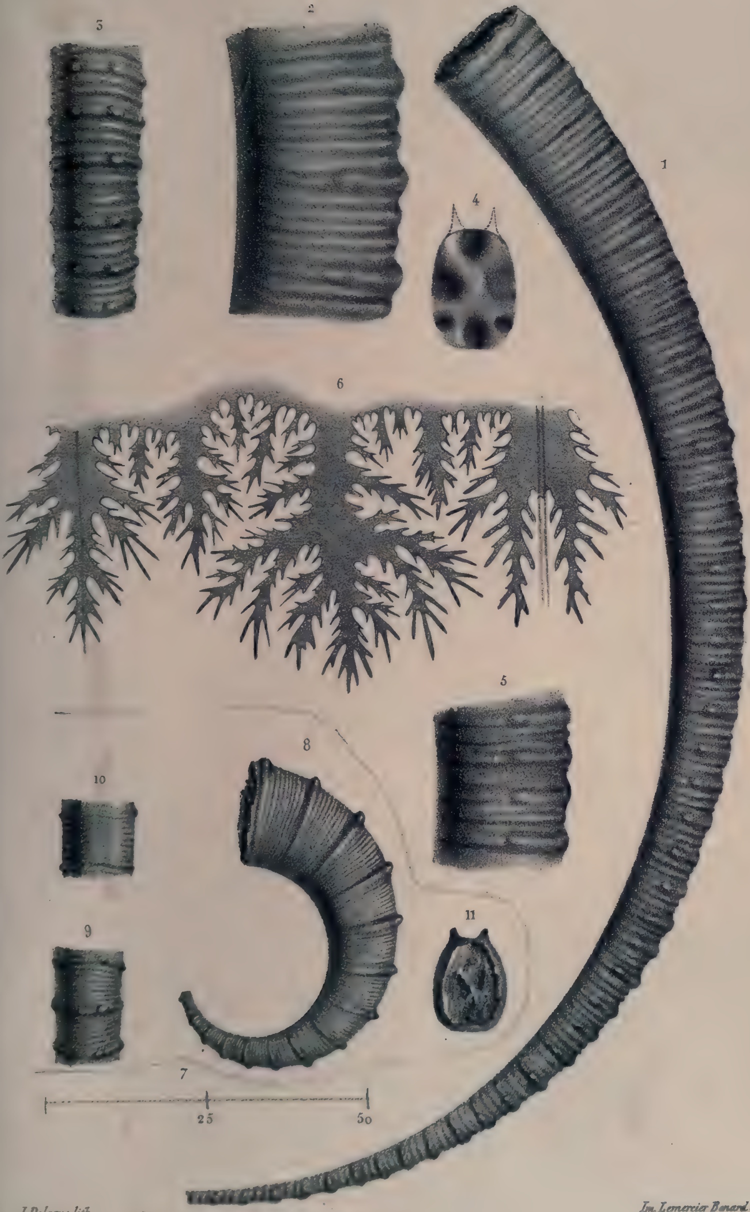
Im. Lemercier, Benard et C.

1–3. *Crioceras Cornuelianus*, d'Orb. N.
4–8. C. *Cristatus*, d'Orb. G. Urgonien

J. Delarue lith.

Imp. Lemercier, Benard et C.

1, 2. *Crioceras Puzosianus*, d'Orb. N.
3, 5. *C.* ——— *Astierianus*, d'Orb. N.



J. Delarue lith. Im. Lemercier Benard et C.

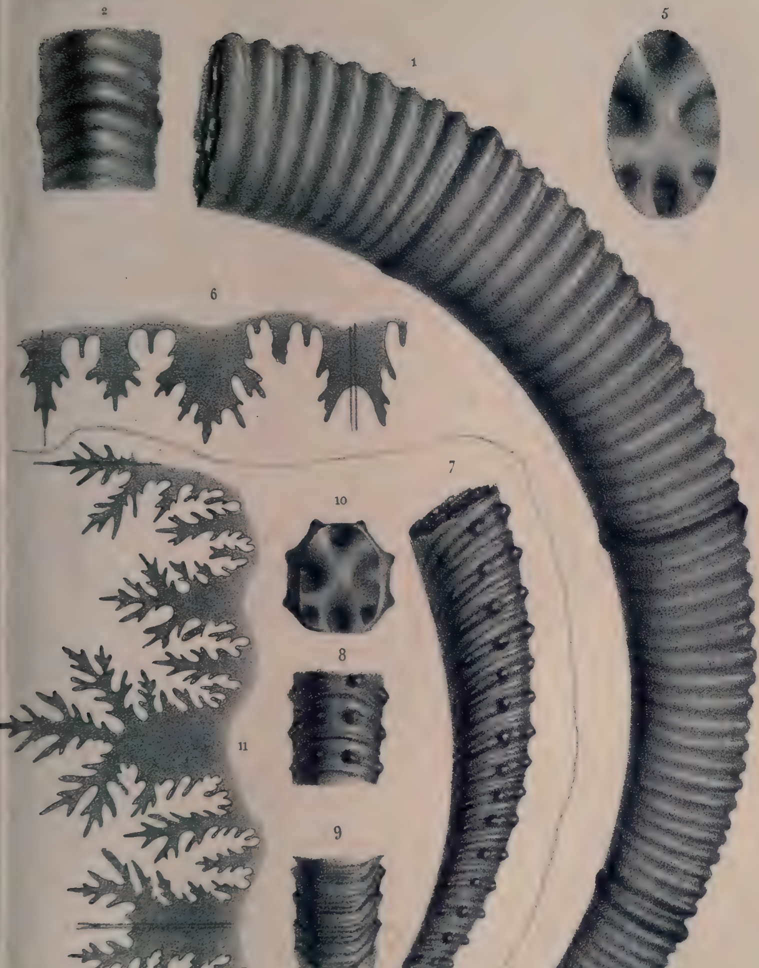
1-7. *Toxoceras Requienianus*, d'Orb. N.

8-11. T. —— *bituberculatus*, d'Orb. N.

J. Delarue lith. Im. Lemercier Benard et C.

1-5 - *Toxoceras elegans*, d'Orb. N.

6-9 - *T*.——— *Duvalianus*, d'Orb. N.



J. Delarue lith. Im. Lemercier Benard et C.

1-6. *Toxoceras annularis*, d'Orb. N.

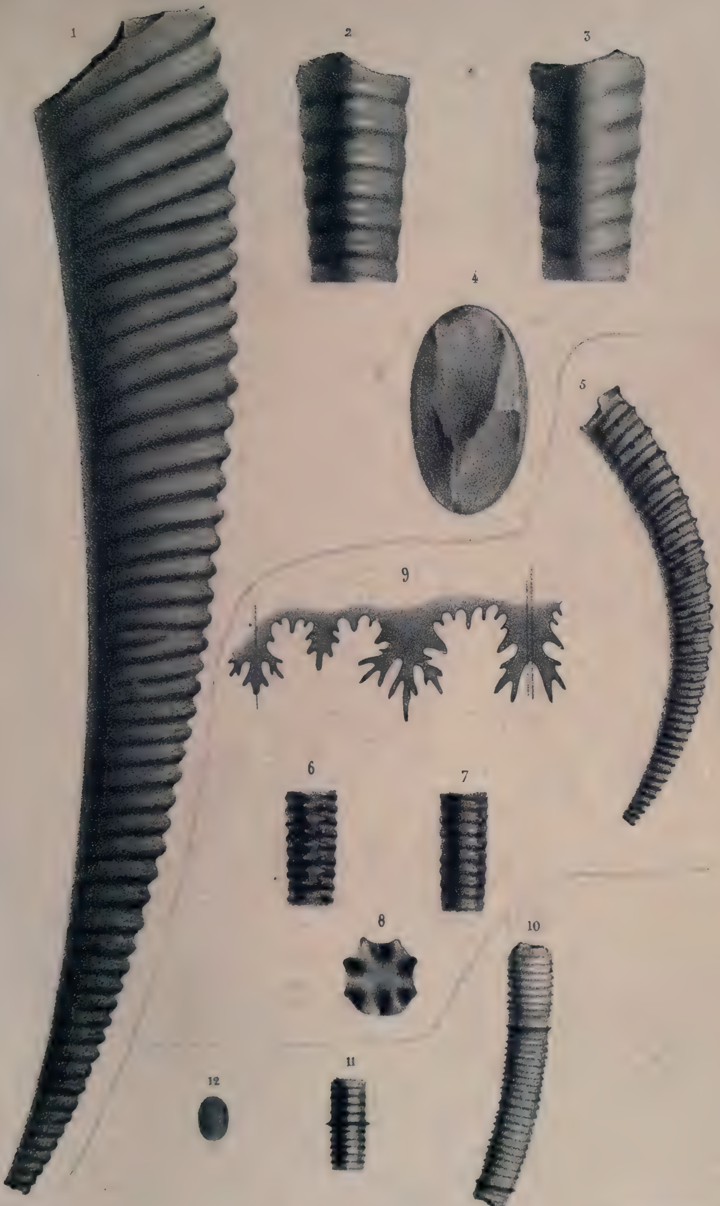
7-11. *T. —— Royerianus*, d'Orb. N. Aptien

J. Delarue lith.

Im. Lemercier Benard et C.

1.4. *Toxoceras Honnoratianus*, d'Orb. N.

5.9. *T.——— Cornuelianus*, d'Orb. N.

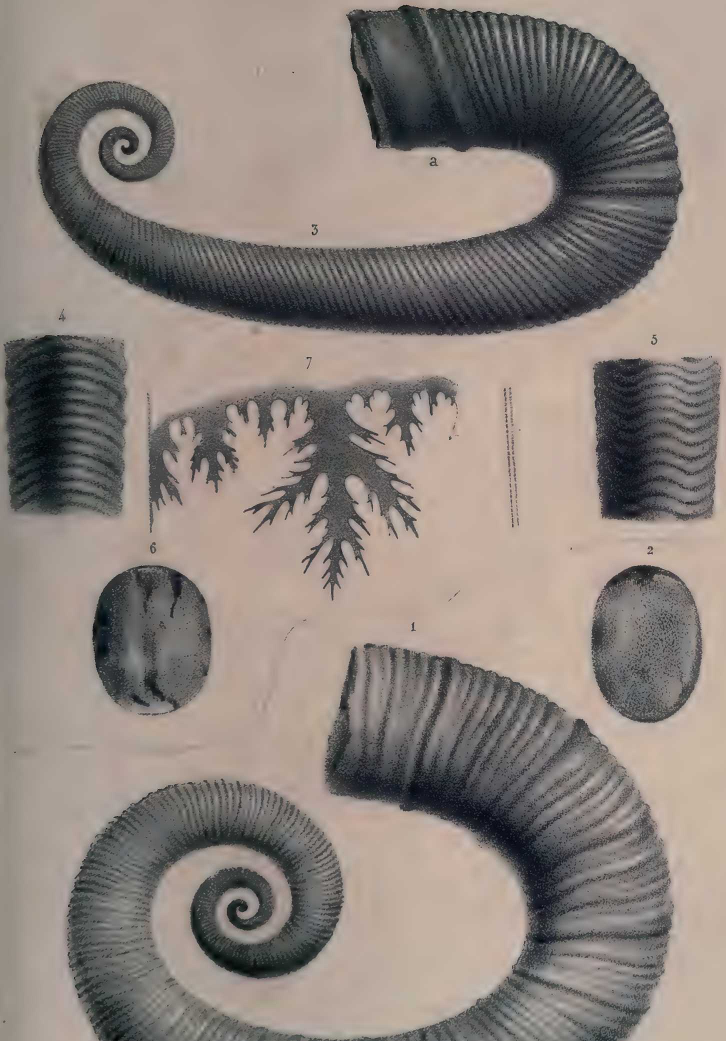


J. Delarue lith. Im. Lemercier Benard & C.

1 - 4. *Toxoceras obliquatus*, d'Orb. N.

5 - 9. *T. ——— Emericianus*, d'Orb. N.

10 - 12. *T.? ——— gracilis* d'Orb. C.C.



J. Delarue lith.

Im. Lemercier, Benard et C.

1-2. *Ancyloceras dilatatus*, d'Orb. N.

3-7. *A. ——— pulcherrimus*, d'Orb. N.

J. Delarue lith

Im. Lemercier, Benard et C.

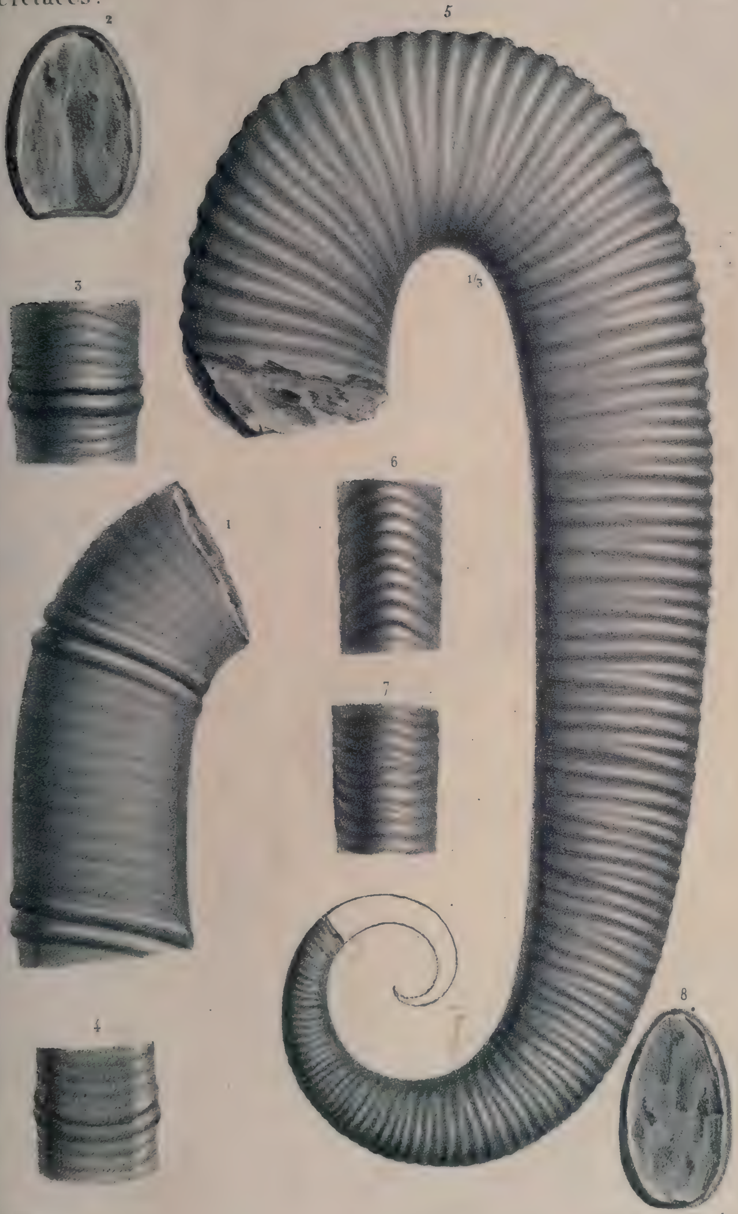
Ancyloceras Matheronianus, d'Orb. N.

J. Delarue lith. Im. Lemercier, Benard et Cie

Ancyloceras Renauxianus, d'Orb. N.

J. Delarue lith. Imp. Lemercier, Benard et C.

Ancyloceras Duvalianus, d'Orb. N.



F. Delarue lith.

Imp. Lemercier, Benard et C.

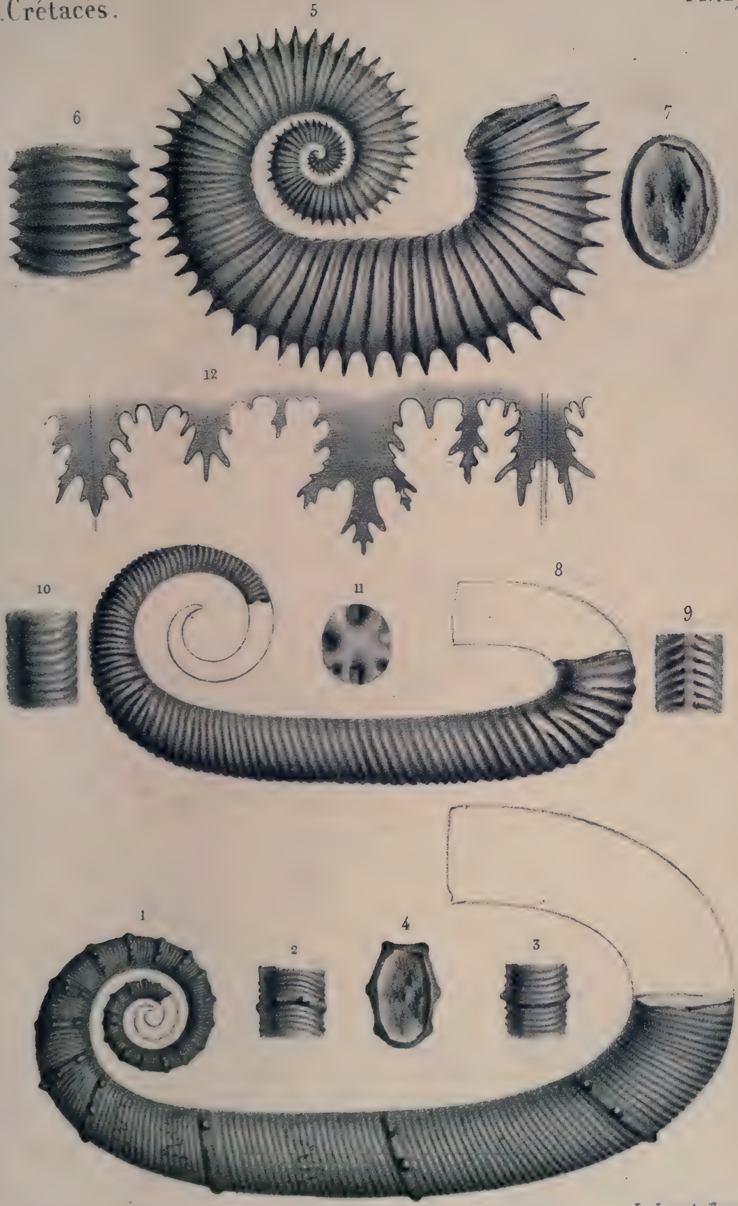
1-4. *Ancyloceras cinctus*, d'Orb. N.

5.8. *A.* ——— *simplex*, d'Orb. N.

J. Delarue lith.

Im. Lemercier, Benard et C.

Ancyloceras varians, d'Orb. N.



Delarue lith.

Im. Lemercier, Benard et C.

1-4 - *Ancyloceras Puzosianus*, d'Orb. N.
5-7 - *A.* ______ *brevis* ___ d'Orb. N.
8-12 - *A.* ______ *furcatus* ___ d'Orb. N.

J. Delarue lith.

Imp. Lemercier, Benard et C

1. 3. *Scaphites Ivanii*, Puzos. N.
4. 5. *S. —— compressus*, d'Orb. C.C.

J. Delarue lith.   Imp. Lemercier, Bernard et C.

1.7. *Scaphites æqualis*, Sowerby. C.C.
8.11. *S. ——— constrictus*, d'Orb. C.C.

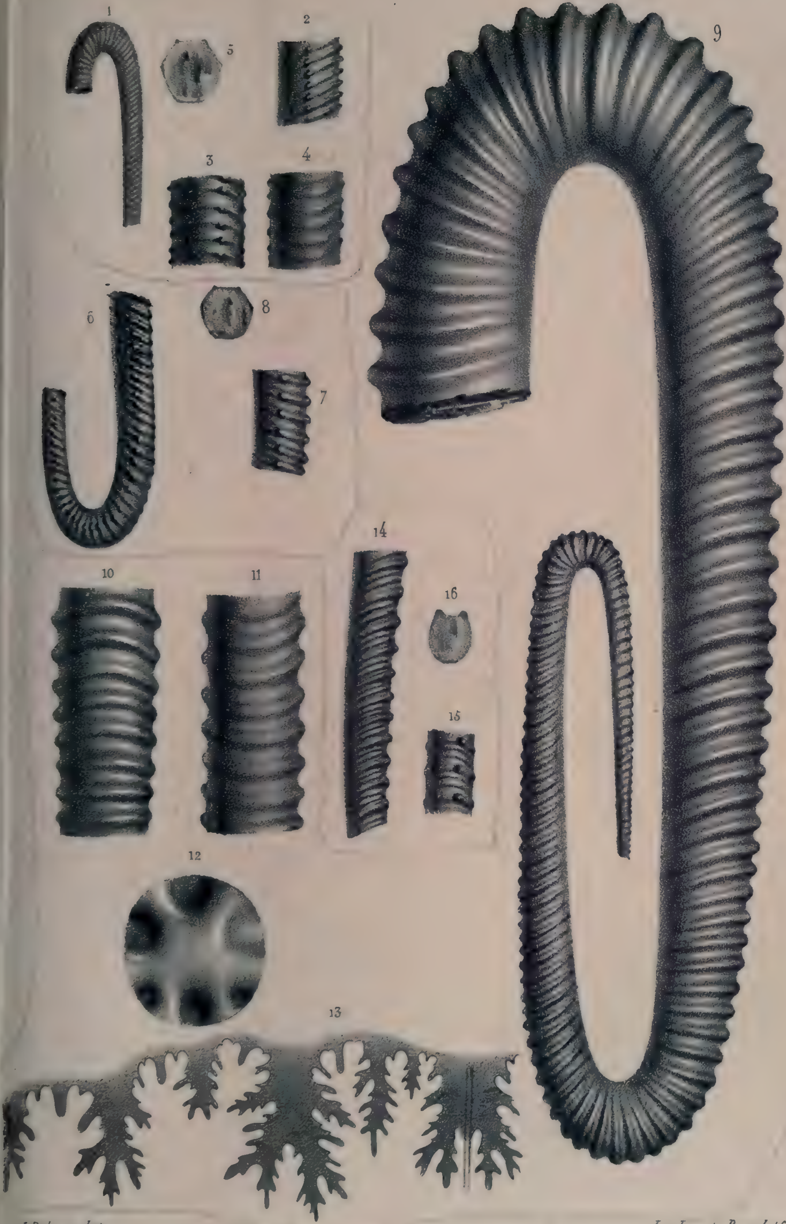
J. Delarue lith.

Imp. Lemercier, Benard et C.

1. 3. *Hamites incertus*, d'Orb. N.

4. 7. *H. —— dissimilis*, d'Orb. N.

9. 12. *H. —— Emericianus*, d'Orb. N.



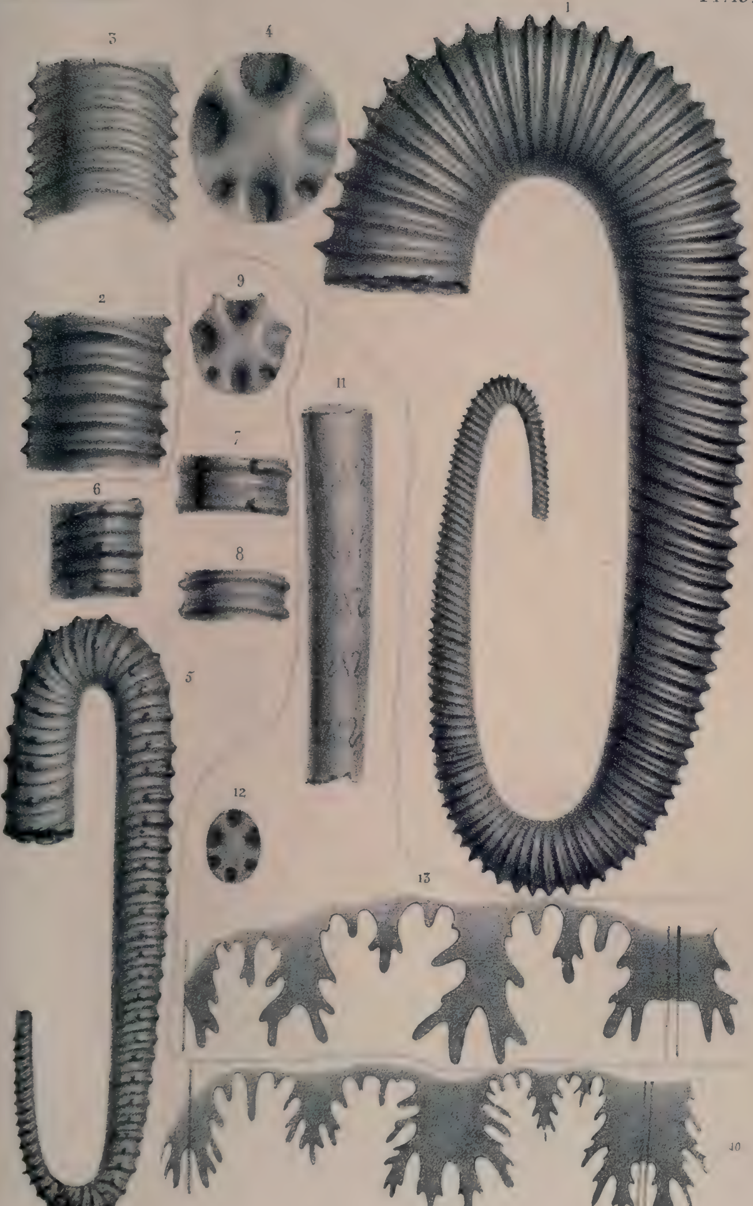
J Delarue lith. Imp. Lemercier Benard et C.

1.5. *Hamites Royerianus*, d'Orb. N.

6.8. H. —— *punctatus*, d'Orb. N. G.

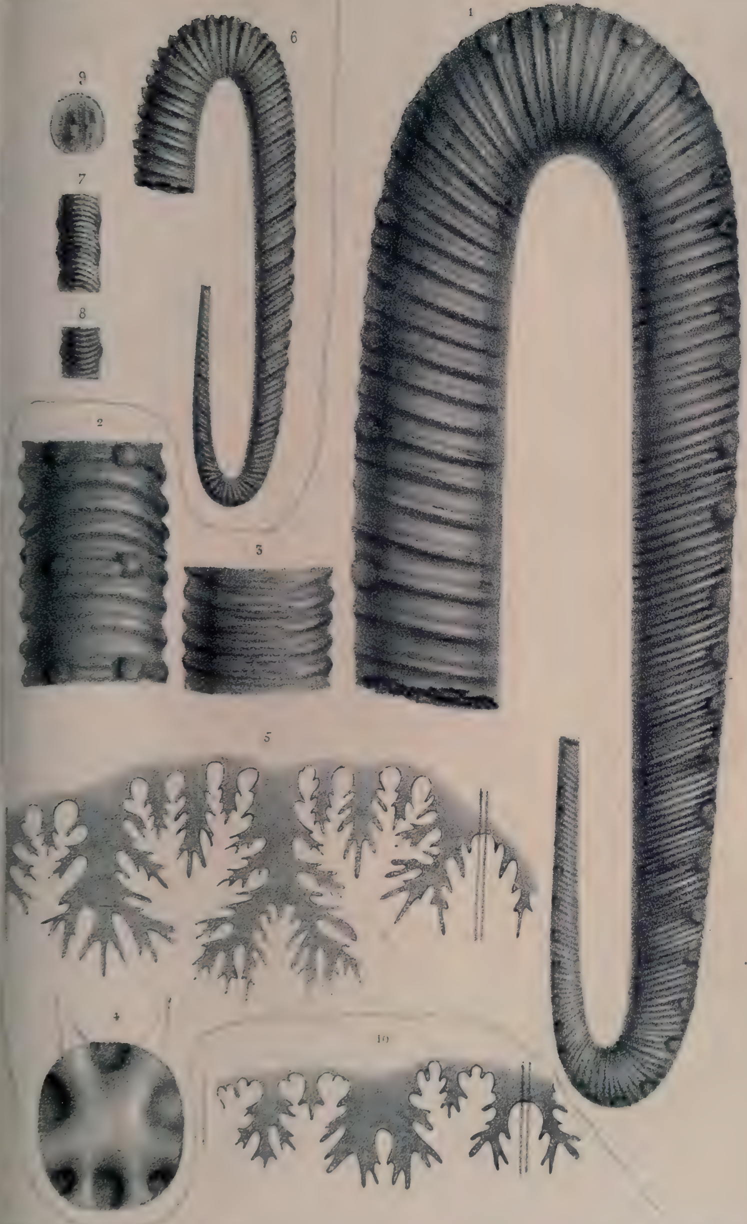
9.13. H. —— *attenuatus*, Sowerby G.

14.16. H. —— *flexuosus*, d'Orb. G.



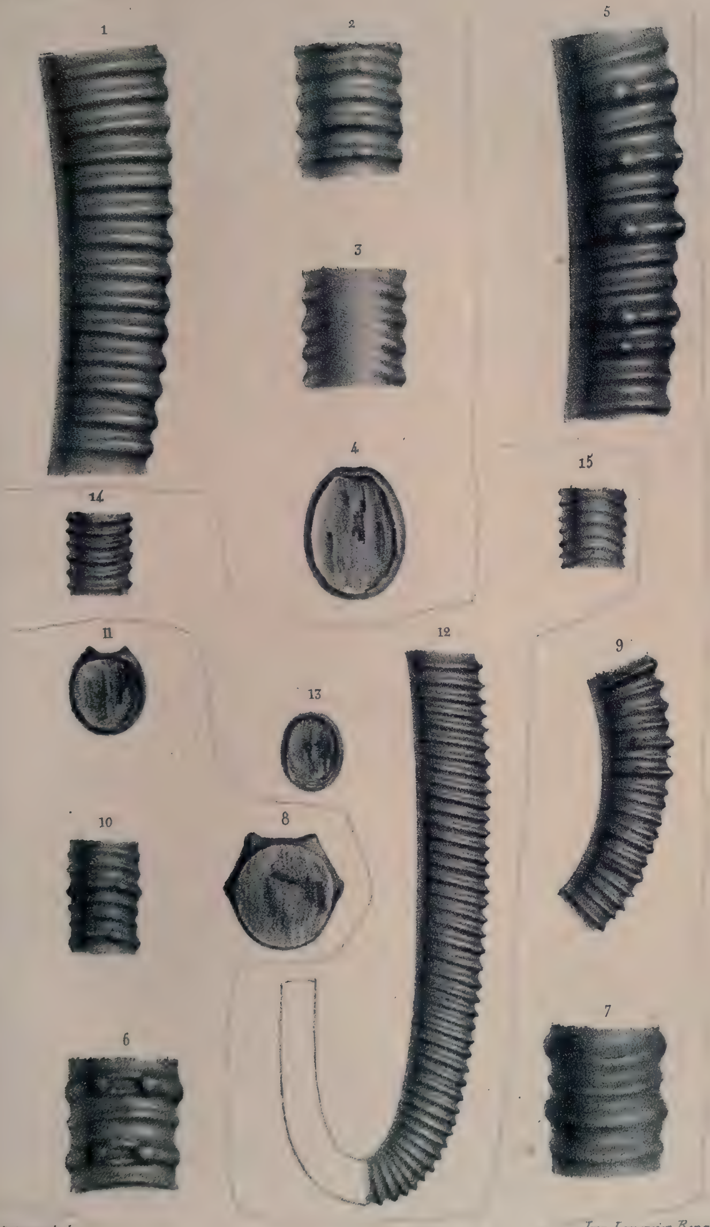
J. Delarue lith.　　Imp. Lemercier Benard et C.

1, 4. Hamites rotundus, Sowerby G.
5, 10. H. —— alternatus, Phillips G.
11, 13. H. —— Bouchardianus, d'Orb. G.



J. Delarue lith. Imp. Lemercier, Benard et C.

1, 5. *Hamites elegans*, d'Orb. G.
6 10 *H.* ——— *Sablieri*, d'Orb. G.



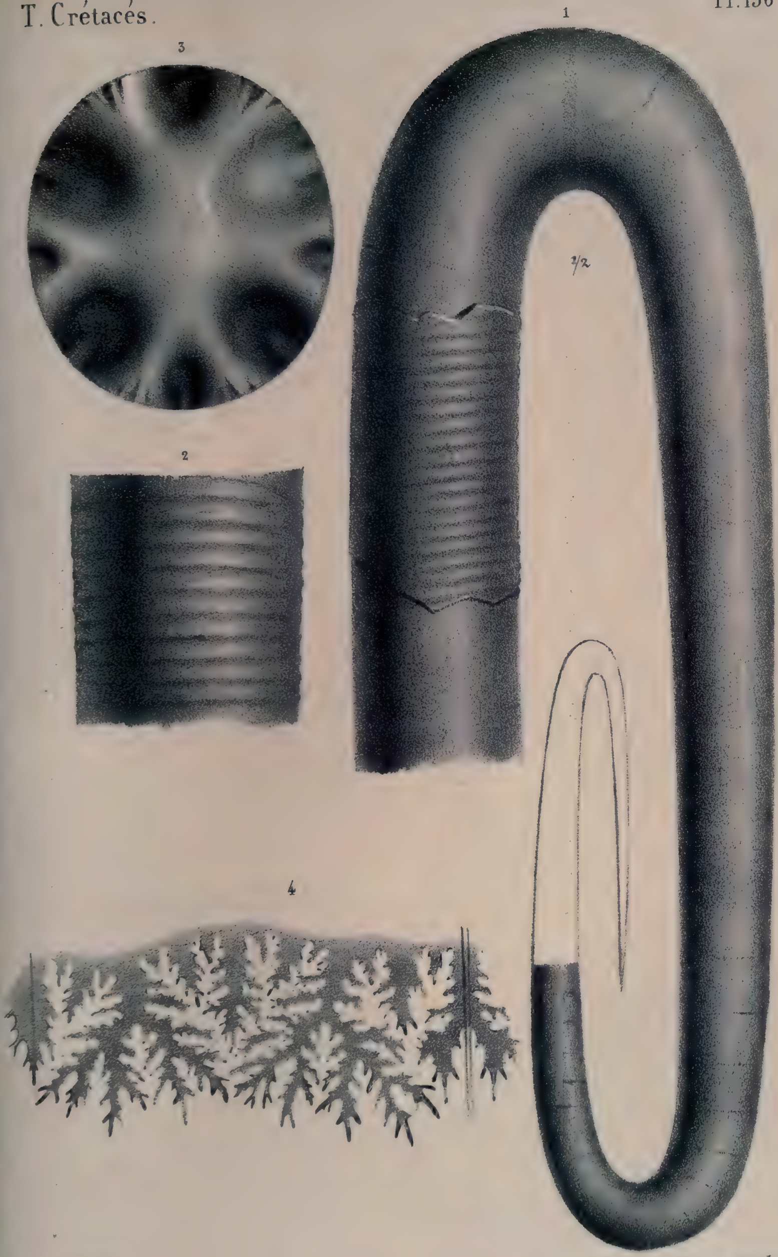
J. Delarue lith. Imp. Lemercier, Benard et C.

1, 4. Hamites virgulatus, Brongniart. G.
5, 11. H. —— Raulinianus, d'Orb. G.
12, 15. H. —— simplex, d'Orb. CC.

J Delarue lith.

Imp. Lemercier, Benard et Cie

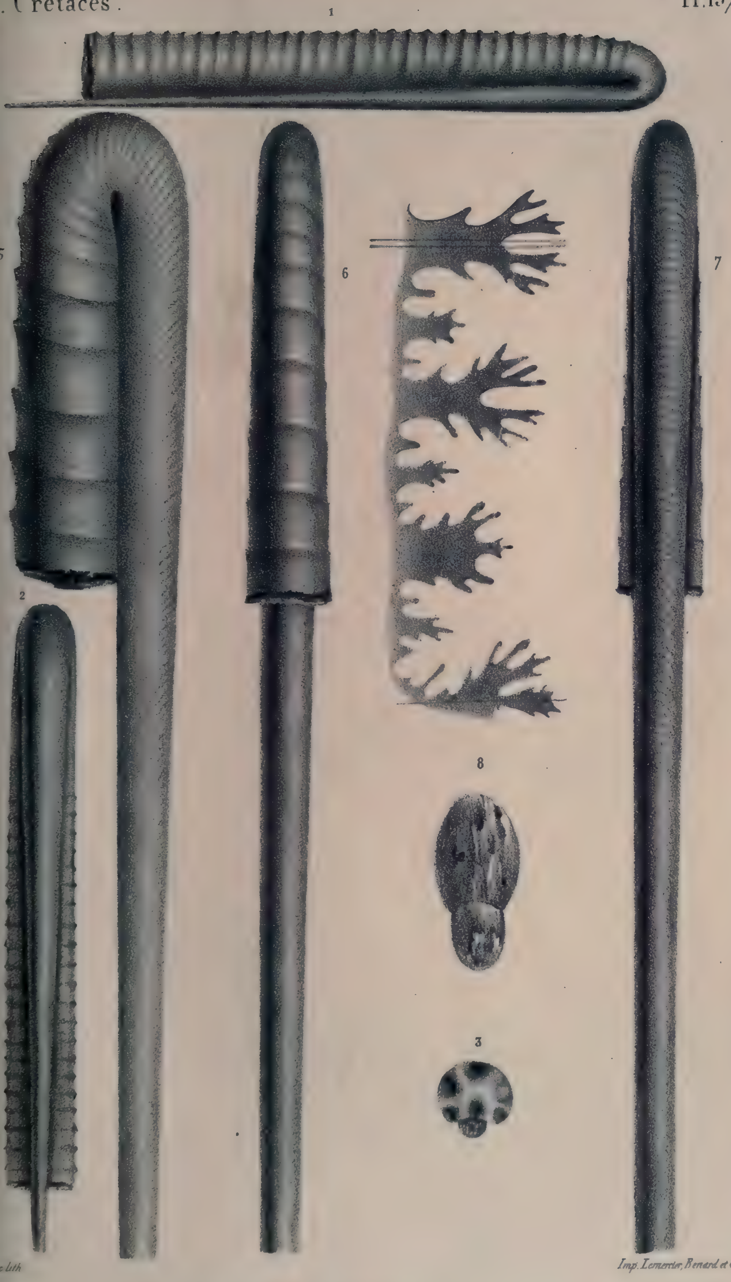
Hamites armatus, *Sowerby* CC.



J. Delarue lith.

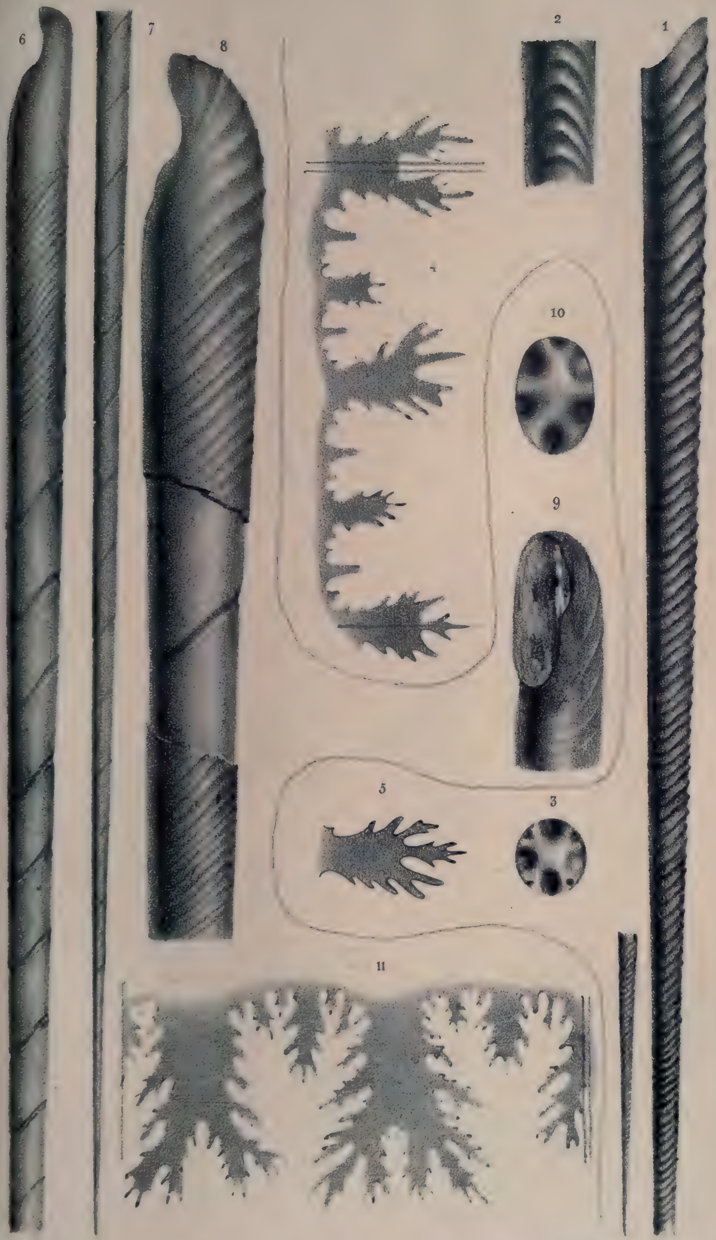
Imp. Lemercier, Benard et C.

Hamites cylindraceus, d'Orb. C.C.



...larac lith. Imp. Lemercier, Benard et C.

1-4. *Ptychoceras Emericianus*, d'Orb. N.
5-8. *P. ——— Puzosianus*, d'Orb. N.



J. Delarue lith.   Imp. Lemercier, Benard et C.

1.5. Baculites neocomiensis, d'Orb. N.
6.11. B.——— baculoides, d'Orb. C.C.

J. Delarue del.

Imp. Lemercier Benard et C.

1-7. *Baculites anceps* Lamarck C.C.

8-10. *B. — incurvatus* Dujardin C.C.

J. Delarue del.

Imp. Lemercier Benard et C.

1.3. *Turrilites catenatus*, d'Orb. G.
4.5. T. ——— *Mayorianus*, d'Orb. G.
6.7. T. ——— *elegans*, d'Orb. G.
8.11. T. ——— *Astierianus*, d'Orb. G.

J. Delarue del.

Imp. Lemercier Benard et Cie

1, 2. *Turrilites Senequierianus*, d'Orb. G.
3, 6. *T.* ——— *Emericianus*, d'Orb. G.
7, 10. *T.* ——— *bituberculatus*, d'Orb. G.

J. Delarue del. Imp. Lemercier Benard et C.

— *Turrilites Robertianus*, d'Orb. G

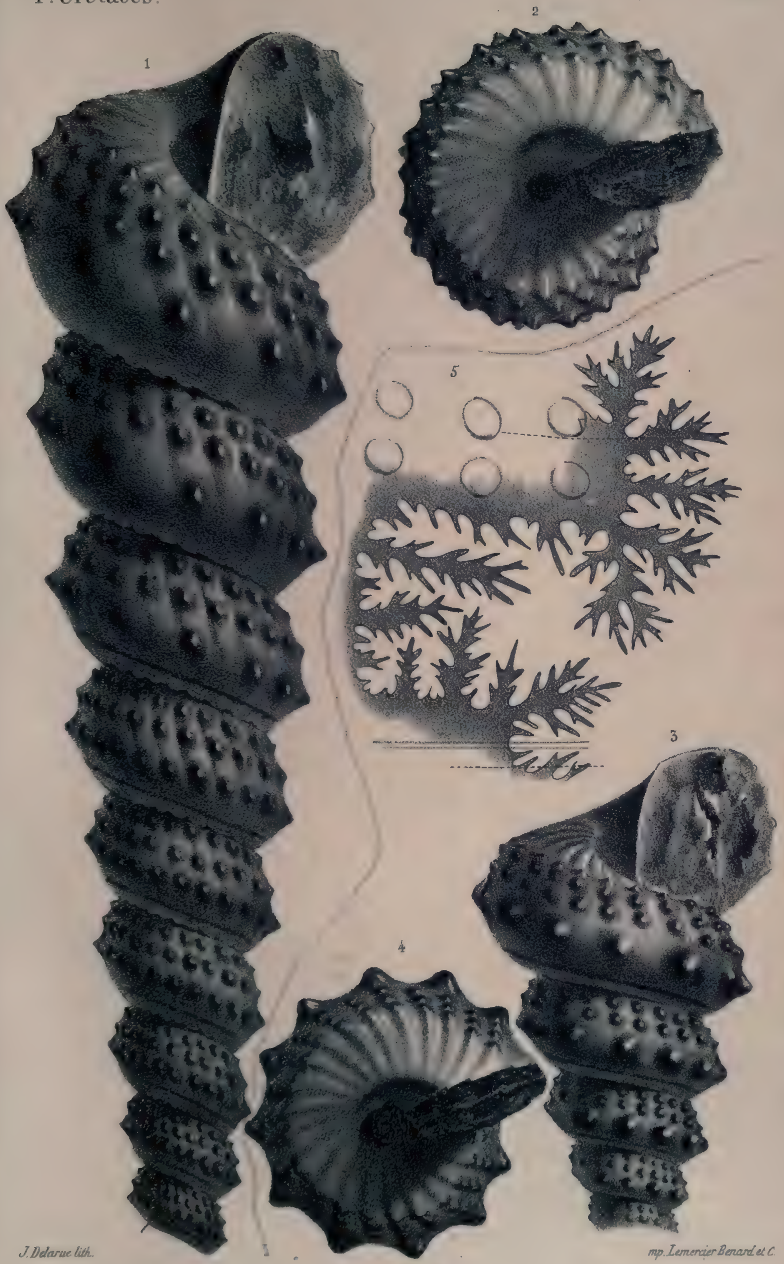
J. Delarue lith.

Imp. Lemercier, Benard et C.

1, 2. *Turrilites Puzosianus*, d'Orb. G.

3, 6. *T________ Bergeri*, Brongniart G.

7, 8. *T________ plicatus*, d'Orb. G.



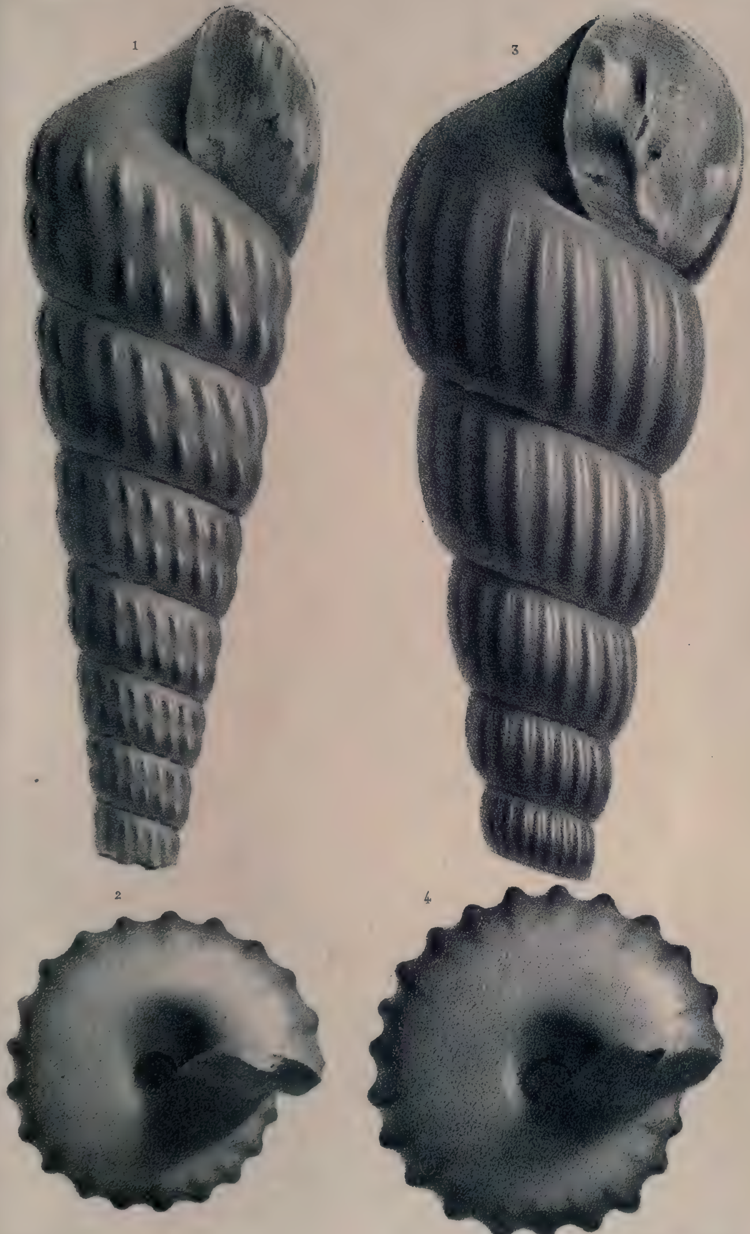
J. Delarue lith.   Imp. Lemercier Benard et C.

1, 2. *Turrilites tuberculatus*, Bosc. CC.
3, 5. *T. —— Gravesianus*, d'Orb. CC.

J. Delarue lith

Imp. Lemercier, Benard et Ce

Turrilites costatus, Lamarck cc.



J. Delarue lith. Imp. Lemercier Bénard et C.

1.2. *Turrilites Desnoyersi*, d'Orb. CC.
3.4. T.—— *Scheuchzerianus*, Bosc. CC.

J. Delarue del. Imp. Lemercier, Benard et C.

1–2. *Turrilites ornatus*, d'Orb. CC.

3–4. *T. —— aculicostatus*, d'Orb. CC.

5–6. *T. —— bifrons*, d'Orb. CC.

7–8. *T. —— Moutonianus*, d'Orb. G.

J. Delarue lith. Imp. Lemercier Bénard et C.

1_4. *Turrilites Vibrayeanus*, d'Orb. G.
5_6. *T.______ Archiacianus*, d'Orb. CC.
7_9. *Helicoceras annulatus*, d'Orb. G.
10_15. *H.______ gracilis*, d'Orb. G.

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